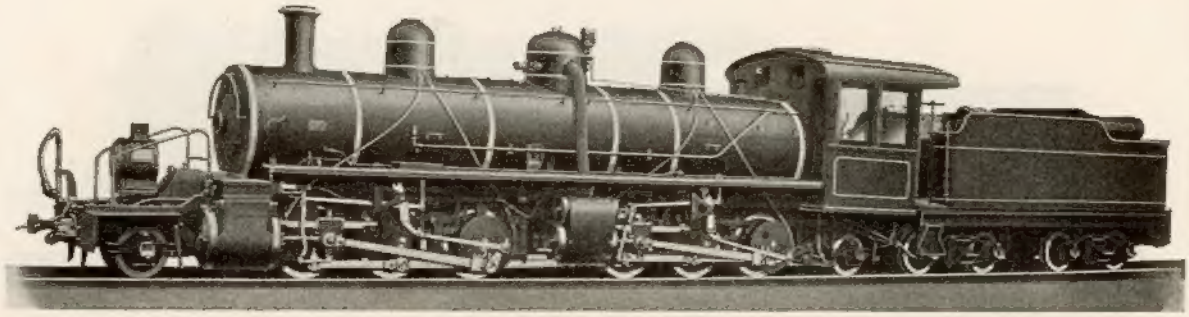
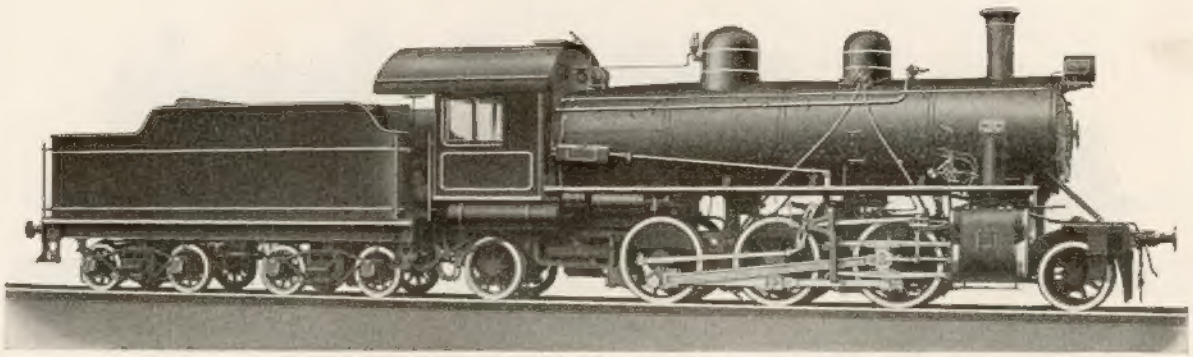
SERBIA



2-6-6-2 TYPE LOCOMOTIVE

Total Weight of Engine, 126,000 pounds; Weight on Drivers, 103,000 pounds; Diameter of Drivers, 36 inches; Boiler Pressure, 200 pounds; Cylinders, 13 and 20½ x 20 inches; Maximum Tractive Power, working simple, 29,200 pounds—working compound, 24,300 pounds; Gauge of Track, 2 feet, 6 inches.

10 of these narrow gauge Mallet locomotives were delivered to the Serbian Government by this company. They have outside frames, necessitated by the 30 inch gauge of track.



2-6-2 TYPE LOCOMOTIVE

Total Weight of Engine, 139,000 pounds; Weight on Drivers, 88,500 pounds; Diameter of Drivers, 53½ inches; Boiler Pressure, 180 pounds; Cylinders, 19 x 24 inches; Maximum Tractive Power, 25,000 pounds; Gauge of Track, 4 feet 8½ inches.

15 of these locomotives were delivered to the Serbian Government by this company.

Both locomotives are of American design adapted to European service. As many of the details as possible were made interchangeable.

AMERICAN LOCOMOTIVE COMPANY

30 CHURCH STREET, NEW YORK

PREPAREDNESS

Painted by John J. Perrat for Cream of Wheat Co. *Copyright 1917 by Cream of Wheat Co.*

THE FRANKLIN CAR

WHEREVER you go nowadays and hear men talking motor cars, you will find that one man has just *bought* the make of car the other has just *abandoned*.

This means that most buyers are still groping for *real standards* by which to judge motor car efficiency.

New cars come out, old cars work up new features and "talking points"—and so the trade shifts.

Watching all this is the solid group of Franklin owners, *who do not change*.

These men and their families know what they *have* in the Franklin Car and *stick to it*. It is the rarest exception for one of them to change—and then he always comes back again. *Our records show this*.

What *holds* these men? What makes them *talk* Franklins? Why has the demand for Franklin Cars doubled, and doubled, and then doubled again within the last two years?

Perhaps it is because these men know some things that the average motorist does not know:—things about comfort and safety, gasoline economy, tire saving, effortless control, *a new mastery of road and traffic conditions*.

The man who has driven a Franklin and any other make of car knows that he can drive his Franklin farther, on longer trips, with less fatigue, with less trouble and *at less cost* than any other car he ever owned.

The Franklin dealer in your town can prove this to you. *Ask him*.

Touring Car 2280 lbs.	$1850.00	*Sedan* 2610 lbs.	$2750.00
Runabout 2160 lbs.	1800.00	*Brougham* 2575 lbs.	2700.00
Four-passenger Roadster 2280 lbs.	1850.00	*Town Car* 2610 lbs.	3000.00
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All Prices F. O. B. Syracuse

FRANKLIN AUTOMOBILE COMPANY
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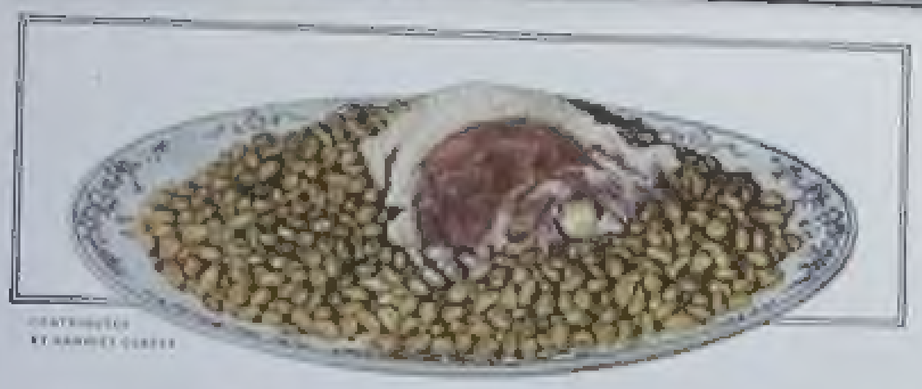


SOY BEANS BOILED WITH HAM SHANK. The ham shank, which is looked upon by many housewives as of small importance, may be utilized not only to serve as meat for the family meal, but for the seasoning for many a savory dish. The following recipe for boiling soy beans with a ham shank will be found to be not only an appetizing one, but it will afford an opportunity to use up part of the ham bone: Soak one cupful of soy beans for twelve hours. Put them into a stewpan with the ham bone and cover with water, add one onion stuck with a clove, and let this boil until the beans are tender, then drain, and serve the beans on a hot platter with the ham bone.

THE wider use of the foods which are featured in these approved recipes is earnestly desired as one of the means by which our consumption of meats may be reduced.

United States
Food Administration.

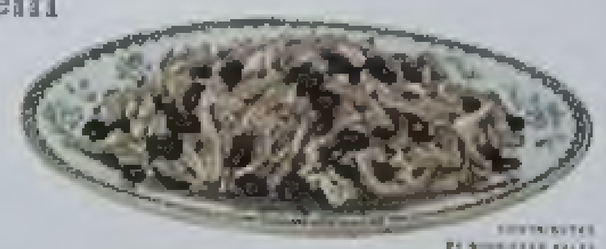
HERBERT HOOVER
Food Administrator

The New Dishes of Beans and Peas

How the Best Cooks Make Them

BEAN-AND-TURNIP PUFFS. Slice and boil one medium-size yellow turnip. Press in a strainer to extract the water and mash with one cupful of cooked lima beans; add the unbeaten yolk of one egg, half a cupful of double-thick white sauce and seasoning. Beat with a fork until light and smooth. Drop by spoonfuls into small cones upon a greased baking tin and bake in a quick oven until delicately browned. These puffs make an excellent meat substitute dish.

EACH good housewife has her own way of baking or boiling beans, but too frequently she stops at that point and does not utilize the dried legumes several times a week in place of meat as might so easily be done. Good seasoning, savory ingredients or a meat flavor added to such a dish makes it tasty, and the food is so substantial that the lack of meat at the same meal is not noticed. Supplemented with a green salad or a fruit dessert, these dishes of beans and peas could be used to great advantage physically and also economically in these days of high prices. Attractive ways of serving the dried foods go far in making them appeal to the family's taste, and time is well spent in adding dainty garnishing touches if in so doing a family prejudice may be overcome.



BLACK BEANS AND CABBAGE. Soak one cupful of black beans overnight and parboil for twenty minutes in salted water. Melt one tablespoonful of bacon fat or drippings in a frying pan, add three tablespoonfuls of vinegar and one small cabbage cut into quarters and sliced, the beans, seasoning of salt and pepper and two teaspoonfuls of sugar, mixing thoroughly. Cover tightly and simmer until tender, stirring occasionally. No water will be needed if kept at simmering heat.

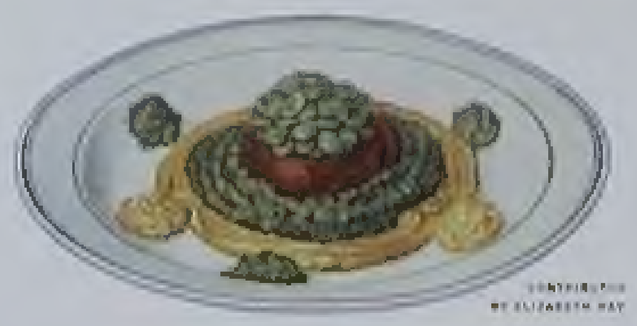
MOCK MEAT CAKES. Soak half a cupful of dried peas in cold water overnight. Cook until very thick. Boil and mash five medium-size potatoes and mix thoroughly with the peas; add half a cupful of grated cheese, half a cupful of fine bread crumbs, one egg, beaten, and one tablespoonful of melted bacon fat. Season and, when cool, shape into triangular cakes; dip in corn meal and fry. Serve alone, or with hominy as in the illustration. The peas and cheese furnish abundant protein, and the potatoes and corn supply heat and energy, thus affording a complete, balanced ration.

SOY-BEAN LOAF. Wash well and drain one pound of dry soy beans; place them in a saucepan and cover with plenty of cold water, put in an onion stuck with a clove, a little salt, a bay leaf and half a teaspoonful of thyme tied in a little muslin bag; cover the stewpan and cook gently until the beans are tender (about six hours) but unbroken; add more water if required; leave the cover off for the last half hour of cooking to allow the water to reduce, then drain the water off and set them aside to cool. When cold put them through a food chopper, season with pepper and salt, stir in half a cupful of tomato catchup, two canned pimientos and the whites of two hard boiled eggs chopped fine; mix well, turn out on a floured board, form into a loaf, brush over with the beaten yolk of an egg and sprinkle with bread crumbs. Place in a greased pan and bake in a moderate oven for three-quarters of an hour. Garnish with parsley. Serve hot or cold.

MIXED VEGETABLE MOLD. Soak one cupful each of dried beans and peas overnight. Drain and boil until soft; drain again, and rub through a sieve. Mix with half a cupful of butter substitute, two cupfuls of whole-wheat bread crumbs, one large boiled onion, chopped, one tablespoonful of parsley, two chopped pimientos, one teaspoonful of salt and half a teaspoonful of pepper. Turn into a mold, cover with a greased paper and bake in a moderate oven for three-quarters of an hour. Turn out on a hot dish, garnish with cooked cauliflower. Serve with apple sauce.

DRY-BEAN CHOWDER. Boil one cupful of dry beans until tender; drain and turn into a fireproof casserole. Fry out the fat from two slices of bacon (diced); add to this one can of corn, salt and pepper, and enough canned tomatoes to form a creamy mixture when added to the beans. Mix all well together, sprinkle cracker crumbs over all and put in the oven for twenty-five minutes. Serve from the casserole.

CURRIED NAVY BEANS ON TOAST. Mash some baked navy beans and mix with cream sauce with one teaspoonful curry powder dissolved in the sauce. Spread thick on buttered toast, with a good sprinkling of paprika. To garnish, fry a few slices of bacon, remove, and fry the slices of apple in the bacon fat. Serve hot.



BAKED TOMATO WITH LIMA BEANS AND PEAS. Soak the beans and peas overnight in separate pans. In the morning cook in hot salted water. When tender mash the peas through a sieve. Remove the top of the tomato, scoop out carefully the pulp and fill with the beans, place pieces of butter substitute on top and bake for ten minutes; dish up in the center of a border of the mashed peas, with hollandaise sauce garnished around the peas.

SOY-BEAN FRITTERS. Rub two cupfuls of cold boiled soy beans through a fine wire sieve. Chop fine one onion, melt a tablespoonful of beef suet in a frying pan, put in the onion and fry it a light brown. Mix in the beans; salt and pepper to taste, turn out into a bowl and let cool; then add two well-beaten eggs, mix well, drop from a spoon into hot fat and fry a golden brown. Take up and drain on brown paper. Serve on a hot dish. Garnish with parsley and lemon slices. Tomato chutney may be served as a relish with these fritters if desired. This amount will make twenty fritters at an approximate cost of eighteen cents.

SOY-BEAN CROQUETTES. Take a cupful of soy beans, soak them all night, then cook them until soft and run them through a fine sieve, chop two onions finely and fry them until transparent but not brown; mix in the mashed beans, season with salt and pepper and turn onto a plate to cool. Divide into equal portions, shape into croquettes, dip each one into beaten egg, roll in bread crumbs and fry in hot fat; drain on paper. Serve in place of meat croquettes with Creole sauce.

CREOLE SAUCE: Put one tablespoonful of fat into a stewpan; stir in one tablespoonful of flour; add a cupful of canned tomatoes, one chopped onion, a bay leaf, season with salt and pepper and stir until boiling; strain into another saucepan; add half a cupful of chopped green peppers and it is ready to use. Arrange the croquettes on a hot dish and pour the sauce around.

CHILI CON CARNE. Cut two pounds of round steak into small square pieces. Melt two tablespoonfuls of butter substitute in a stewpan and allow it to get hot; add the steak and fry it brown; then add one cupful of boiling water and four tablespoonfuls of rice. Cover and cook until tender. Now add three canned red peppers cut into pieces, one cupful of cooked beans, two parboiled onions cut into slices, one tablespoonful of flour, four cloves, one clove of garlic, chopped, and one teaspoonful of salt, and cook until very hot and the gravy a nice consistency. Serve garnished with parsley.

COOKING MAMA'S BREAKFAST

Painted by Edward V. Brewer for Cream of Wheat Co. *Copyright 1917 by Cream of Wheat Co.*

COOKING MAMA'S BREAKFAST

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[redacted] June 7, 1917

"Open your mouth and shut your eyes.
And I'll give you something to make you wise."

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"HERE YOU ARE."

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COOKING MAMA'S BREAKFAST

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"LEST WE FORGET."

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"WHO CAN SPELL CREAM OF WHEAT?"

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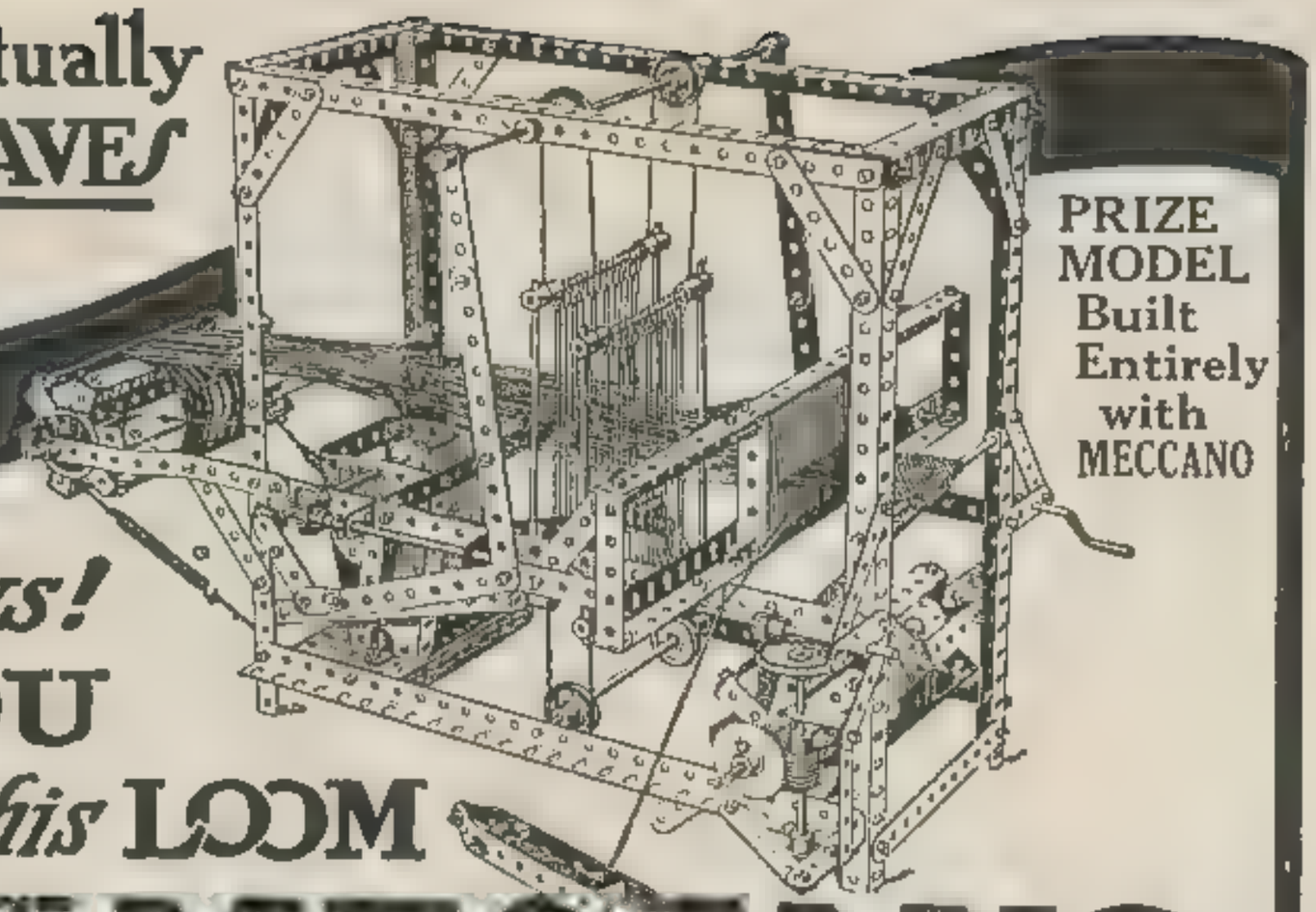
It Actually WEAVES



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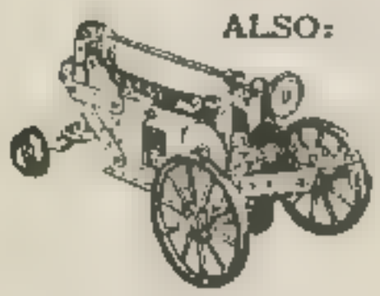
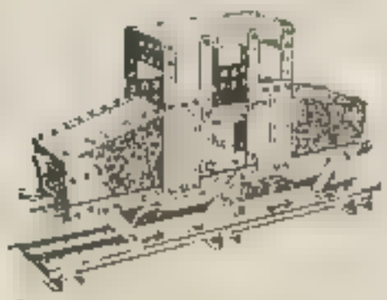
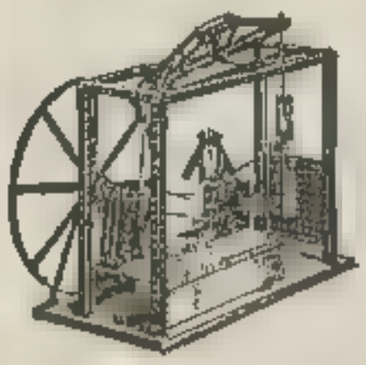


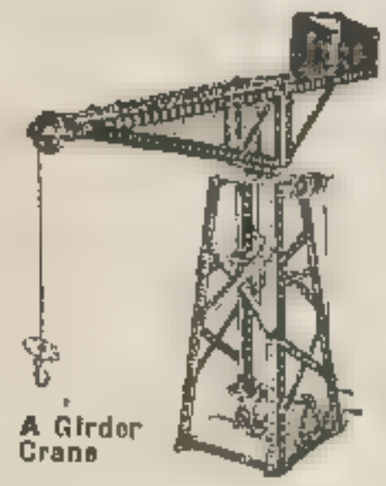
An Electric Tractor



An Electric Locomotive



A Beam Engine



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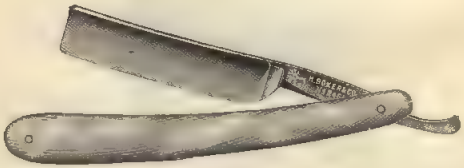

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No. **2461.** ⅝ inch, square point, extra hollow ground, full crocus polished, smoked celluloid handle ..... Dozen $28 00

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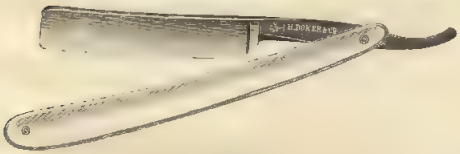

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No. **3086.** ½ inch, square point, full Hamburg ground, full crocus polished, black rubber handle ..... Dozen $30 00

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No. **1925.** ½ inch, square point, full Hamburg ground, half crocus polished, black rubber handle ..... Dozen $30 00

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No. **101.**	⅝ inch, square point	Dozen	36 00
No. **101R.**	⅝ Inch, round point	Dozen	36 00

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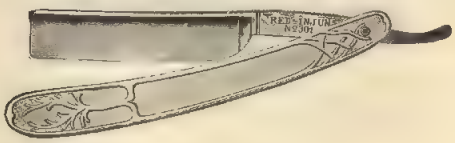

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No. **301.** ⅝ inch, full hollow ground, full crocus polished, cream colored celluloid handle ..... Dozen $42 00

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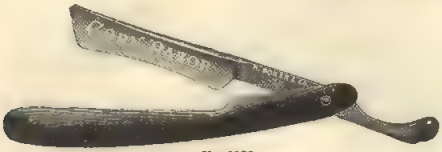
TREE BRAND RAZORS



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No. **3025.** Corn Razor—Black rubber handle, full crocus polished ..... Per Doz. $12 00

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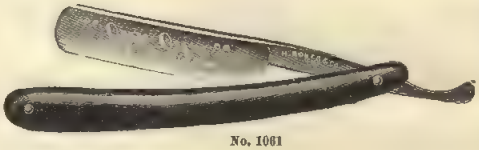

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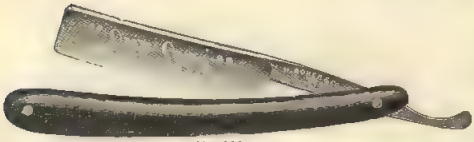

No. 226

No. **226.** ⅝ inch, square point, half hollow ground, full crocus polished, black rubber handle ..... Per Doz. $16 00

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No. **345.** ½ inch, square point, extra hollow ground, full crocus polished, black rubber handle ..... Dozen $24 00

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No. 345

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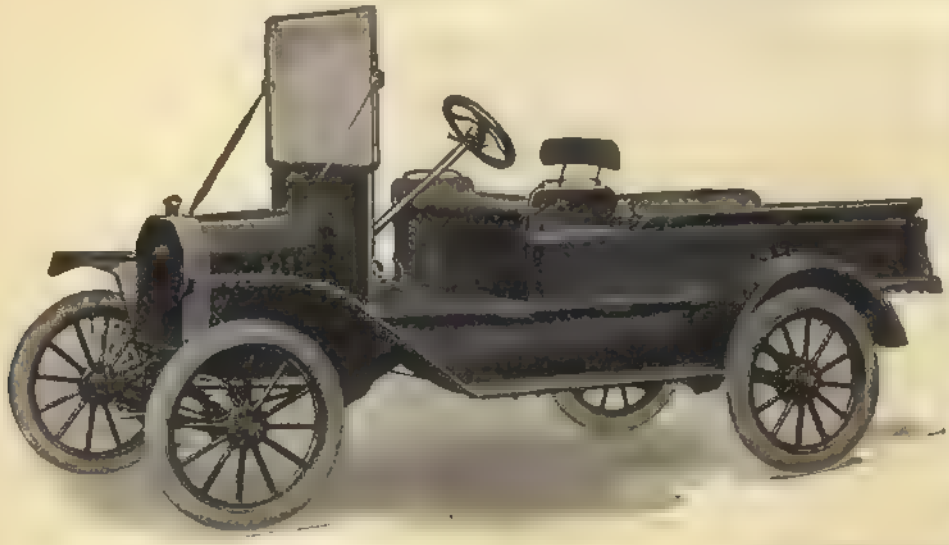

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SLIP-ON BODY FOR FORD ROADSTER

No. 2030 Each.....$28.75

A body, designed to meet the business requirements of such people as farmers who want to take produce to market or implements to the shop for repairs, salesmen who want to carry samples or machines with them, demonstrators, bread workers, plumbers, telephone repairmen, bakers, butchers, or any other business that calls for the carrying of small packages.

It's a simple and easy thing to unfasten the four bolts that hold on the rear section of a Ford roadster, set it to one side and substitute this unit, fasten four bolts and you are ready for **business**.

Home again, reverse the operations and you are ready for **pleasure**.

The nobby appearance of your roadster hasn't been damaged in the least.

Specifications

A mighty well built body, with loading space 34 inches wide by 52 inches long. Side panels are 8½ inches high inside, and topped with hardwood rails. Outside body braces. Five-inch flare boards, regular. Drop end gate as illustrated. Painted solid black. Easily put on or taken off, as it weighs less than 100 pounds. Shipping weight, approximately 150 pounds. The necessary bolts for attaching to the car are included with each body. No change of rear fenders is necessary for this style body.

TWO-WHEELED AUTO TRAILER

No. 3010 Each.....$110.15

Body—40x84 inches outside, with 10-inch panels. Hardwood sills and hardwood rail on top of panels. Bottom of body protected by iron strips running lengthwise. Drop end gate, front and rear. Body strongly built, extra well ironed and braced throughout. 5-inch flare boards can be furnished at extra cost.

Springs—1¾ inches, 5 and 6-leaf platform; springs hung under axle.

Axle—1¼ inch.

Track—Narrow (4 feet 8 inches) or wide (5 feet 2 inches).

Bearings—Priced regularly with common long distance wagon spindles. Ball bearings at extra cost.

Wheels—Sarven patent with 1⅝-inch spokes and 1¼-inch riveted rims. No. 12 flange, specially high and riveted between each spoke. Absolutely best grade hickory, 32 inches high; ⅝-inch oval edge steel tires, regular.

Connection—Universal plate end hitch for attaching to the rear frame is regular on this trailer. Simple and easily manipulated.

Painting—Dark green.

Capacity—About 800 pounds.

Shipping Weight—About 550 pounds.

Fine Panel and Express Top Commercial Bodies For Ford Cars

1863 1917

Prices Each, F. O. B. Our Indiana Factory

Express Top Commercial Body

No. 2050 - **Each $159.50**

This express top commercial body is one that can be used by a wide variety of business men. Grocers, butchers, plumbers, gas and telephone companies and practically any kind of business that calls for general trucking or delivery car.

Top—Heavy well-ironed, six-post express top. Special heavy brace irons designed to withstand the rough driving that's bound to come to a car used for commercial purposes. Deck is full-slatted and covered with heavy black duck. Roll-up curtains, sides and back, of same material. Separate roll-up curtains with large mica lights on either side of driver's seat.

Body—Constructed on our standard frame for Ford chassis. Sills and sub-sills of carefully selected and seasoned hardwood. Will give the maximum of **carrying strength** without adding unnecessary weight to your car. Every precaution is taken in its construction to provide a body that will "stand the racket" of commercial use. Panels are 10 inches high inside. Heavy flare boards regular. Seat is full width.

Trimming—Full width cushion of good grade artificial leather. Folding lazy back on driver's side of seat.

Painting—Dark green, regular. Any lettering desired can be furnished at extra cost.

Loading Space—(Back of seat), 48x63 inches, 54 inches high. Full width rear end gate with chains enables one to adjust the body to practically any style of load.

Shipping Weight—Knocked down and crated under 34 inches, 600 pounds.
Equipment—Includes rear lamp bracket, toe boards and irons, all irons necessary for attaching to chassis.

Panel Top Commercial Body

No. 2010 - **Each $195.15**

A commercial body that, in addition to its splendid characteristics as a delivery vehicle will advertise your business in a high class dignified and thoroughly pleasing manner. Especially adapted for all classes of merchants who require a high-grade, durable and thoroughly weather-proof body for their deliveries.

Body—Solid side panels of heavy gauge sheet steel, fully slatted on the inside. Glass window on either side of the driver's seat. Deck is covered with black oil duck. Double doors of steel are furnished in the rear as illustration with two large oval glass windows. This body is built on our standard sill construction, ready to fasten on a Ford chassis. All corners are securely braced so as to prevent racking. Seat is full width and covers a box that can be used for tools, etc. Stationary fore door on driver's side.

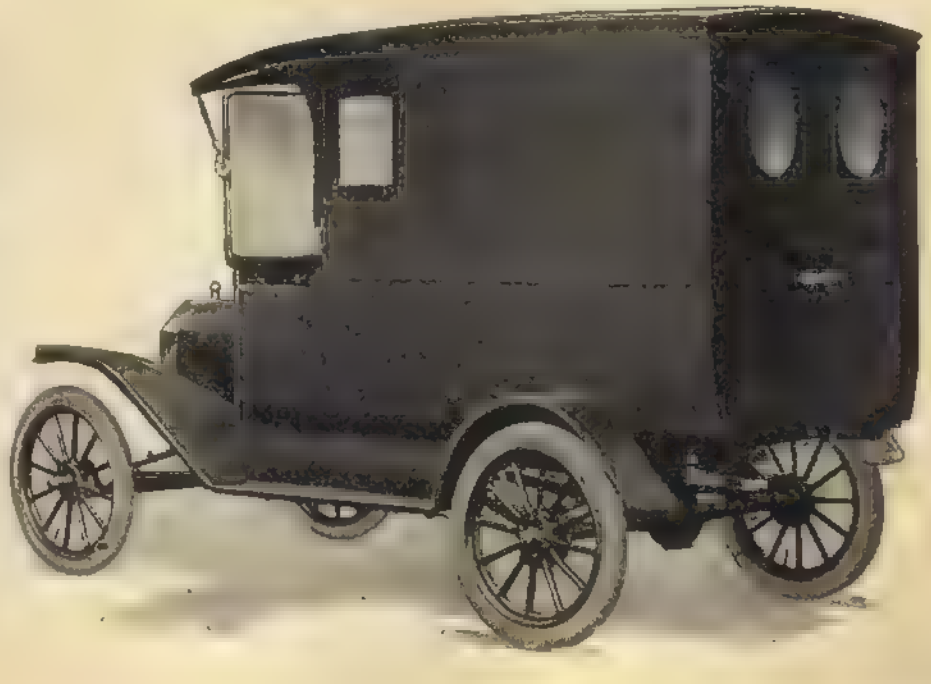
Trimming—Full width cushion of good artificial leather. Folding lazy back on driver's side of seat.

Painting—Dark green with neat striping, regular. Any lettering desired can be furnished at extra cost.

Loading Space—(Back of seat) 43 inches wide, 56 inches long, and 53 inches high.

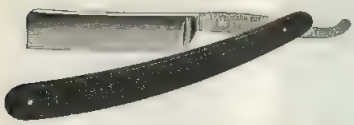
Shipping Weight—Knocked down and crated under 34 inches, 725 pounds.

Equipment—Includes fore door on driver's side, rear lamp bracket, toe boards and irons, all irons necessary for attaching to chassis.



RAZORS

DE LUXE

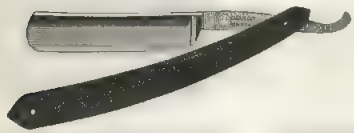


⅛ or ⅝ in. Round or square point. Hollow ground, full crocus polished. Black rubber handle.

No.	Handle	Wt. doz.	Per doz.
1	Round	1½ lbs.	$30.00
2	Flat	1½ lbs.	30.00

In ordering specify width of blade and whether round or square point wanted.

NEW ERA



NOS. 3 AND 4

⅛ or ⅝ in. Round or square point. Hollow ground, full crocus polished. Black rubber handle

No.	Handle	Wt. doz.	Per doz.
3	Round	1¾ lbs.	$24.00
4	Flat	1¾ lbs.	27.00

In ordering specify width of blade and whether round or square point wanted.

EMPRESS OF INDIA

NOS. 2265 TO 2267

Hollow ground. Round or square point. Crocus polished, with gold etching. Round black rubber handle.

No.	Size	Weight doz.	Per doz.
2265	⅛ in.	1⅝ lbs.	$30.00
2266	⅝ in.	2 lbs.	30.00
2267	¾ in.	2⅛ lbs.	30.00

In ordering specify whether round or square point wanted.

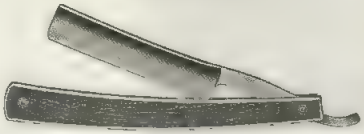
PEARL

⅝ in. Round or square point. Extra hollow ground; full crocus polished and gold etched. Round black rubber handle with pearl scaled tang.

No.	Wt. doz.	Per doz.
42	1⅝ lbs.	$42.00

In ordering specify whether round or square point wanted.

CLEAN CUT

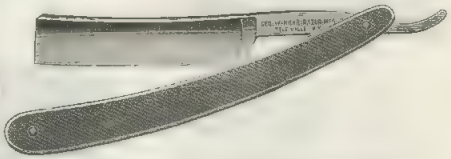


⅝ in. Round or square point. Extra hollow ground, full crocus polished, with "Clean Cut" indented in center of blade.

No.	Handle	Wt. doz.	Per doz.
50	Blue celluloid	1¾ lbs.	$30.00
12	White ivory	1¾ lbs.	30.00

In ordering specify whether round or square point wanted.

GEO. W. KORN CO.



⅝ in. Square point. Finely concaved, with glazed finish. Flat tang and under gimp. Made from finest quality of Swedish steel, scientifically hardened and tempered. Handle fine imitation tortoise shell, will not warp or break.

No.	Wt. doz.	Per doz.
91	1¾ lbs.	$18.00

Same as No. 91, except has highly polished oval rubber handle

No.	Wt. doz.	Per doz.
96	1¾ lbs.	$16.00

Same as No. 91, except has flat rubber handle

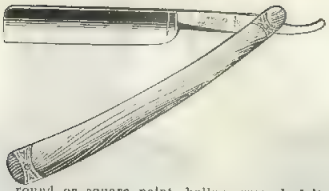
No.	Wt. doz.	Per doz.
95	1¾ lbs.	$8.00

All the above one in a carton, one-half dozen in a box.

RAZORS

GENCO

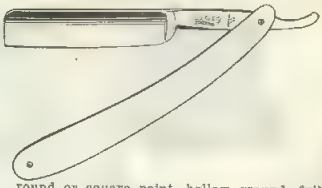
DE ROMA



⅝ in., round or square point, hollow ground, full crocus polished, oval ivory handle.

	Per doz.
De Roma	**$40.00**

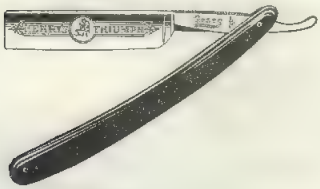
FLUID STEEL



⅝ in., round or square point, hollow ground, full crocus polished, flat beveled ivory handle.

	Per doz.
Fluid Steel	**$40.00**

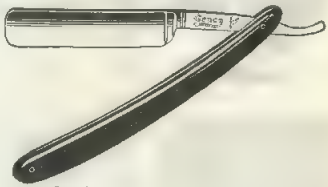
TRIUMPH



⅝ in., round or square point, hollow ground, full crocus polished, oval black rubber handle.

	Per doz.
Triumph	**$30.00**

XXX TO X



⅝ in., round point, full concave ground, fine polish, oval black rubber handle

	Per doz.
XXX	**$27.00**

⅝ in., round point, full concave ground, medium finish, oval black rubber handle

	Per doz.
XX	**$21.00**

⅝ in., round point, half concave ground, medium finish, oval black rubber handle.

	Per doz.
X	**$18.00**

All the above one in a carton; one-half dozen in a box.

ASSORTMENT B

ASSORTMENTS

Extra hollow ground, full crocus polished. Made from the finest quality of Swedish steel, hardened and tempered by scientific methods. Assortment consists of six razors, assorted color handles.

B Assortment, square point....**$13.00**
C Assortment, round point.... **15.00**

One set of six in a box.

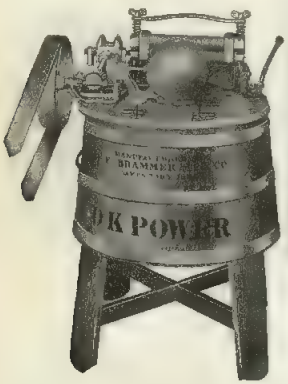
ASSORTMENT C

WASHING MACHINES

THE "O. K."

Louisiana cypress tub, natural color, hoops and mechanism finished in aluminum bronze. Metal frame; ball bearing enclosed cogs, well tempered springs. Wringer attachment is part of the machine; by touching a lever will run backward, forward, or stop instantly. Dasher has long, powerful sweep; washes quickly, and does not tear. Any part proving defective will be replaced free.

POWER



Furnished with crown face pulley 10¾ in. diameter and 2 in. face.

	Wt. each, crated	Each
O. K. Power	140 lbs.	$43.00

ELECTRIC

Fitted with 1/2 h. p. electric motor. Capacity 8 to 10 shirts or their equivalent.

	Wt. each, crated	Each
O. K. Electric	200 lbs.	$60.00

QUEEN POWER

The O. K. Power Washer furnished without the wringer.

	Wt. each, crated	Each
Queen Power	82 lbs.	$27.00

WATER MOTOR

R. C. W.

Selected Virginia white cedar, finished in two coats of filler and varnish. Will last a lifetime. Extra heavy flat steel hoops, well riveted, with broad gold bronze bands; presents very handsome appearance. Extension stave legs, securely bolted, and well braced with hardwood sections, bolted through from side to side. Patented hardwood dolly; best quality castings; staunch wringer-box, well braced, with "Never-slip" lid lock fixture.

Equipped with a powerful patented water motor, especially designed to get results with the lowest possible consumption of water. Is very simple and has few parts. Requires ordinary city pressure.

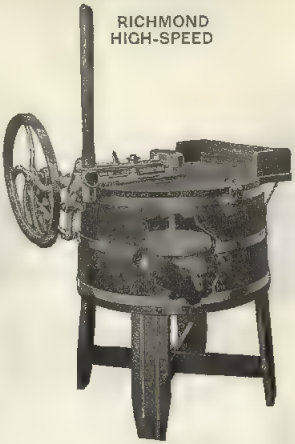
	Wt. each, crated	Each
R. C. W. Motor Washer	80 lbs.	$28.00

One in a crate.

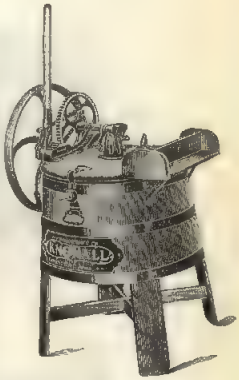
WASHING MACHINES

F. F. V. IMPROVED

RICHMOND HIGH-SPEED



KNOXALL



F. F. V. IMPROVED

Virginia white cedar tub, ball bearing. Forged steel Pitman rod, gears machine cut, smooth running and noiseless, self-lubricating gear case. Accident and dirt-proof

	Wt. each, crated	Each
F. F. V. Improved	114 lbs.	**$22.00**

RICHMOND HIGH-SPEED

Virginia white cedar tub. Gearing full covered Accident and dirt-proof Adjustable lever used up as shown, or down if desired.

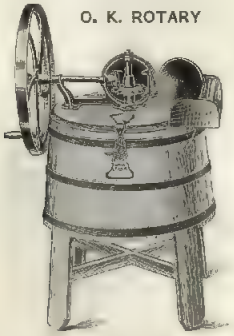
	Wt. each, crated	Each
Richmond High-Speed	85 lbs.	**$22.00**

KNOXALL

Red cypress tub, with tongue and grooved joints. Three extra heavy steel hoops. All metal parts aluminized. Ball bearing; mechanism strong and simple Large fly wheel, making five revolutions to one full stroke of lever.

	Wt. each, crated	Each
Knoxall	95 lbs.	**$19.00**

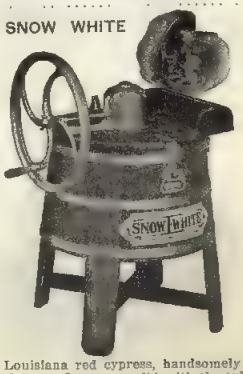
O. K. ROTARY



Louisiana cypress tub. Same material and same construction throughout as the "O. K." power and electric washers, except is for hand work. Has wringer attachment and all other high-class features

	Wt. each, crated	Each
O. K. Rotary	144 lbs.	**$16.00**

SNOW WHITE



Kiln-dried Louisiana red cypress, handsomely finished with copper-bronze hoops. Legs are solid with the tub. Aluminum bronze gearing, full covered. Ball bearing. This machine allows no escape of steam, preventing disagreeable odors from permeating the house. Fully guaranteed.

	Wt. each, crated	Each
Snow-White	80 lbs.	**$16.00**

NIPPERS

TODD'S PATENT CUTTING

NOS. 1 TO 6

Forged from best cast steel. Jaws hardened and properly tempered.

Nippers

	No.	Length	Wt. each	Each
Todd's	1	12 in.	2 lbs.	$2.25
	2	11 in.	1⅝ lbs.	2.00
	3	10 in.	1½ lbs.	1.75
	4	8 in.	1 lbs.	1.50
	6	6 in.	¾ lbs.	1.35

One in a package.

Extra Jaws

	For No.	Wt. pair	Per pair
Todd's	1	2 oz.	$0.65
	2	1½ oz.	.60
	3	1⅛ oz.	.60
	4	1 oz.	.50
	6	1 oz.	.45

One pair in a package.

ACME CUTTING

NOS. 1 TO 5

Extra quality. Crucible steel, dovetail jaws.

Nippers

	No.	Length	Wt. each	Each
Acme	1	12 in.	2 lbs.	$3.00
	2	11 in.	1¾ lbs.	2.50
	3	10 in.	1½ lbs.	2.25
	4	8 in.	¾ lbs.	2.00
	5	7 in.	⅝ lbs.	1.75

One in a package.

Extra Jaws

	For No.	Wt. each	Per pair
Acme	1	2 oz.	$0.80
	2	1½ oz.	.80
	3	1⅛ oz.	.80
	4	1 oz.	.70
	5	⅝ oz.	.70

One pair in a package.

TICKET PUNCHES

No. 30

Nickel-plated, assorted fancy designs. Length 5 in., reach 1 in.

No.	Wt. per doz	Per doz.
30	2 lbs.	$4.00

No. 32

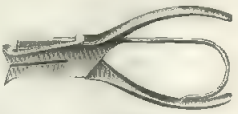
Nickel-plated, assorted fancy designs. Length 5 in., reach 1 in. Reservoir retains clippings.

No.	Wt. per doz.	Per doz.
32	2⅛ lbs.	$5.00

No. 2591

Full nickel-plated, assorted fancy designs. Length 5 in., reach 1 in.

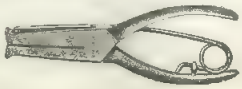
No.	Wt. per doz	Per doz
2591	3¼ lbs.	$16.00



No. 2200

Full nickel-plated, assorted fancy designs. Length 4⅝ in., reach ¾ in.

No.	Wt. per doz.	Per doz.
2200	2⅝ lbs.	$8.00



No. 2570

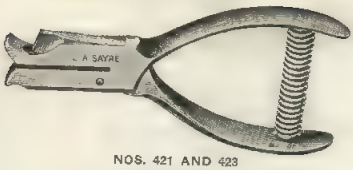
Full nickel-plated, assorted fancy designs. Length 6 in., reach 2 in.

No.	Wt. per doz.	Per doz.
2570	6 lbs.	$21.00

All above one-half dozen in a box.

PUNCHES

TICKET PUNCHES



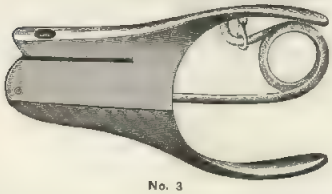
NOS. 421 AND 423

Full polished and nickel plated, assorted fancy designs. Strictly high grade. Length 4½ in

No.	Reach	Wt. per doz.	Per doz
421	1⅛ in.	3¾ lbs.	$30.00
423	1¼ in.	4 lbs.	36.00

One-twelfth dozen in a box

M'GILL'S CONDUCTORS' PUNCHES



No. 3

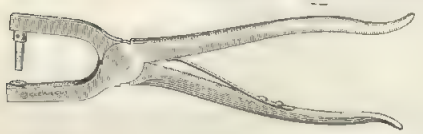
Full polished and nickel-plated, assorted fancy designs Length 4½ in., reach 1 in.

No	Wt. per doz.	Per doz
3	4 lbs.	$36.00

One-twelfth dozen in a box

SPRING PUNCHES

Clean Cut



No. 101

Extra quality, full polished, knurled handles. Each punch is carefully tested before leaving factory, and is **fully warranted.**

No	Wt. per doz.	Per doz
101	9⅛ lbs.	$8.00
Extra Tubes	1 oz.	2.00

One-half dozen in a wooden box.

RIVERSIDE

Cast steel, polished, blued tubes.

No.	Wt. per doz.	Per doz.
21	8⅛ lbs.	$6.00
Extra Tubes	1 oz.	1.50

One-half dozen in a box.

REVOLVING SPRING PUNCHES

Clean Cut

Extra quality, full polished, knurled handles. **Each punch is carefully tested before leaving factory, and is fully warranted.**

No		Wt. per doz.	Per doz
104	Four tubes	11 lbs.	$12.00
106	Six tubes	11½ lbs.	16.00
Extra Tubes		1 oz.	2.00

One-half dozen in a wooden box.

RIVERSIDE

Cast steel, polished, blued tubes.

No		Wt. per doz.	Per doz.
21	Four tubes	9 lbs.	$ 9.00
26	Six tubes	9¾ lbs.	12.00
Extra Tubes		1 oz.	1.50

One-half dozen in a box.

LODI

All steel, bright finish

No		Wt. per doz.	Per doz
384	Four tubes	6¾ lbs.	$ 9.00
386	Six tubes	7 lbs.	11.50
Extra Tubes		1 oz.	1.50

One-half dozen in a box.

BERNARD

Open throat, parallel jaws, full nickel-plated. Tubes screwed to the hub.

No		Wt. per doz.	Per doz.
186	Six tubes	13½ lbs.	$36.00
Extra Tubes		1 oz.	4.00

One-twelfth dozen in a box.

CORK SCREWS

NOS. 500 AND 502

Square spiral forged screw, cap opener and wire cutter.

No.		Wt. per doz.	Per doz.
500	Corkscrews	1¾ lbs.	$5.50

Steel wire screw, cap opener and wire cutter.

No		Wt. per doz.	Per doz.
502	Corkscrews	1¾ lbs.	$5.00

One-half dozen in fancy display box.

No. 1667

Square spiral forged screw of tempered crucible steel, fine quality serrated edge champagne opener, cast handle; all full nickel-plated.

No.		Wt. per doz.	Per doz
1667	Pocket corkscrew	2¼ lbs.	$11.00

One dozen in a box.

WAITERS'

No. 550

Combination lever corkscrew, Crown cork opener and champagne opener with split ring for chain. Full nickel-plated throughout.

No.	Wt. per doz.	Per doz
550	2 lbs.	$8.00

One-half dozen in a box.

HORSE SHOE MAGNETS

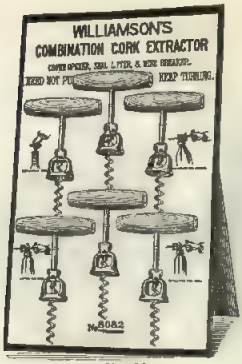
No. 2

Best quality steel, red enameled bend and highly polished poles; extra strong. One keeper with each magnet.

No.	Length	Wt. per dozen	Per doz
2	2 in.	⅝ lbs.	$ 2.00
	3 in.	1 lbs.	3.00
	4 in.	2½ lbs.	6.00
	5 in.	5 lbs.	10.00
	6 in.	7 lbs.	13.00
	7 in.	9 lbs.	15.00
	8 in.	14 lbs.	24.00
	10 in.	35½ lbs.	30.00

One dozen in a package.

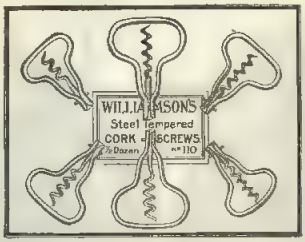
CORKSCREWS



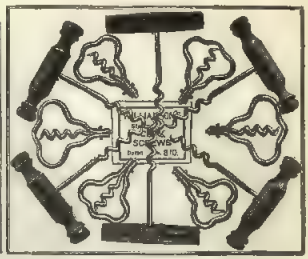
No. 56

Combination of a self-pulling corkscrew, Crown lifter, seal remover and champagne wire cutter Maple handle.

No.	Wt. per doz.	Per doz.
56	2 lbs.	$4.00



No. 110



No. 810

Assorted folding and solid corkscrews, round wire screws, fancy wood and wire handles.

No.	Wt. per doz.	Per doz.
810	1 lb.	$1.75

Assorted steel folding pocket corkscrew, coil and forged screws, oval wire handles, all full nickel-plated.

No.	Wt. per doz.	Per doz.
110	1⅛ lbs.	$3.00

All the above one-half dozen on a display card.

POCKET

No. 270

No. 6152

No. 4026

No. 270

Steel wire screw, barrel handle, full nickel-plated. The handle is threaded at the center so that it can be parted, the screw may then be pushed into the handle and put together, making a small and compact package for the pocket.

No.	Wt. per doz.	Per doz.
270	¾ lb.	$3.00

One dozen in a box.

No. 6152

Square spiral forged screw, with wire cutter.

No.	Wt. per doz.	Per doz.
6152	2 lbs.	$4.00

One-half dozen on a display card.

No. 4026

Square spiral forged screw, self puller, nickel-plated frame.

No.	Wt. per doz.	Per doz.
4026	4 lbs	$4.00

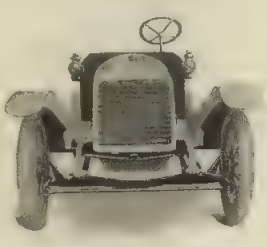
One-half dozen in a box.

The New Metropolitan Fifteen Hundred Pound Truck

W. C. MACK, pioneer in the truck business, has invaded the medium capacity truck field at the head of a new company, known as the Metropolitan Motors, Inc., with quarters at 220 W. 42nd Street, New York City. The efforts of this organization are being concentrated on a ¾ ton delivery job, which offers many desirable features. The fact that it sells for the exceptionally low price of $895 is of interest, considering its design and the materials used in construction. The engine is a four-cylinder, four-cycle, "L" type, with cylinders cast in block. Bore, 3¾ in.; stroke, 4¼ in.; h.p. developed is 22.5.

Valves have adjustable tappet stems of the lock nut type and are completely enclosed with a breather plate. The crankshaft is made of 45 point carbon steel, drop forged, heat-treated and ground to very close limits, with three large bearings. Force feed oiling is employed. A plunger pump, operated from No. 4 exhaust cam, forces oil to a sight feed conveniently located on the dash. From this point it is fed by gravity to the three main bearings of the crankshaft. The oil then makes its way to an oil tray, which takes care of the other parts of the engine. This oil tray is provided with an oil level opening designed to convey the oil back to the main oil tank, where it is filtered and is again ready for distribution

The clutch is of the single plate variety, with two asbestos wire-woven friction discs. These are practically the only parts that require renewal. The whole clutch runs in a bath of oil, which prevents grabbing or jerking when the truck is started The three-speed transmission is of the unit type and is operated by a center control lever. Wide



Front View of Chassis.
Showing the honeycomb radiator and sturdy fenders. Low center of gravity is a prominent feature of the design.

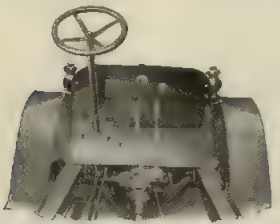
nickel steel gears are provided with generous bearings to insure long life. All shafts are heat treated and ground to close limits Drive to the rear axle is through a shaft equipped with two universal joints. The final drive is cared for by a semi floating rear axle. The bevel gear reduction is 6 to

Metropolitan Fifteen Hundred Pound Truck.
Has four-cylinder, 22.5 h.p. engine, three-speed transmission, semi-floating rear axle, and center control The chassis illustrated herewith is fitted with a covered flareboard body, which is suitable for varied lines of business.

1 and is of heavy construction, properly reinforced to give the best possible service. Hyatt roller bearings are specified throughout.

Frame and Springs.

The frame is of channel section pressed steel, 165 in. long, 4 1-16 in. deep and 3-16 in. thick. Gusset plates and diagonal bars reinforce the whole assembly. Semi-elliptic springs are standard equipment all around. The front set are 1¾ in. wide by 36 in. long and have seven leaves. The rear set are 2 in. wide by 48 in. long and have nine leaves. Carefully selected material is used in their construction and the design calls for one-third overload. Grease cups are provided to lubricate the shackle bolts.



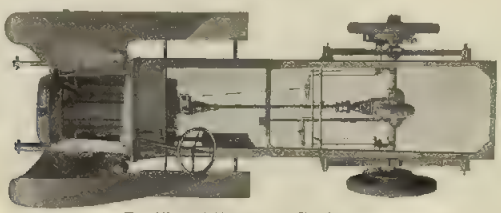
Dashboard Assembly and Controls.
Small accessories, such as the spark control, carburetor adjustment, sight-feed oiler and ignition cut-out are conveniently arranged on the dash.

Other Details.

The steering gear is of the worm and gear type, with a 16 in. steering wheel supported with a 6 in. column bracket, which is bolted to the dash and toe board. The dash board assembly is conveniently arranged and includes the toe board plates, toe boards and controls. These controls are grouped in such a way that the driver may easily reach them at all times. Further, they are arranged so that they can be disconnected or connected by a very simple operation. The left hand lever is the spark control and the right hand lever controls the extra air supply to the curburetor, the throttle itself being governed by a neat foot accelerator. Other chassis features are the low center of gravity, which not only gives steady riding qualities, but also facilitates the loading and unloading of freight.

Rear Axle.
This is a semi-floating type. Housing and shafts are of unusual proportions and the axle is further strengthened by a truss rod. The brake equalizers and torque rod are clearly shown in this view.

The fenders are constructed of heavy gage rolled steel 10 in. wide, with side aprons and running board enclosures. Engine hood has three hinges, made of 22-gage rolled steel with four spring latches to retain it in position. A 12-gal. gasoline tank fitted with a safety level valve and gasoline line is furnished with each chassis. Equipment includes three oil lamps, tool kit, jack, pump, mechanical horn and one extra demountable rim.

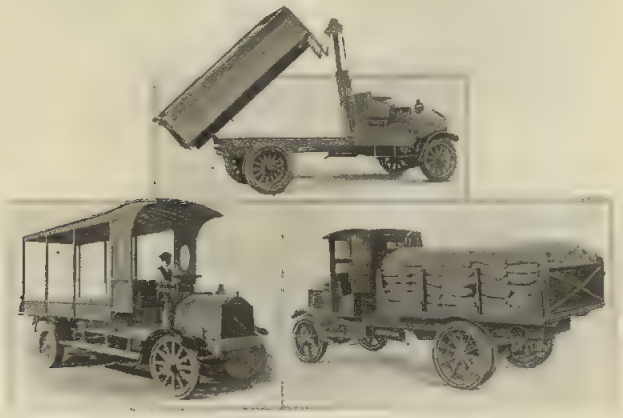


Top View of Metropolitan Truck.
The four-cylinder block engine, left-side steering with center control, and well-braced frame are prominently displayed in this illustration. These parts do not appear to show any radical departure from the conventional arrangement now in vogue other than simplicity of design and the accessible disposition of all units.

United Trucks in Four Capacities

MARKED improvement has been shown of late by the class of trucks known as "assembled." The producers of these vehicles have devoted minute attention to detail and have generally refined the components so as to turn out a thoroughly practical and serviceable article. A typical example of this is to be seen in the line of trucks produced by the United Motors Co., of Grand Rapids, Mich. Engineers of the company have specified channel frames, silico manganese springs, reliable steering devices and large engines. Considering the chassis construction of these trucks and the front spring hanger design in particular, we find that a practical method of overcoming the tremendous spring strains, coincident with heavy hauling, has received commendable attention. In brief, the makers have adopted a unique construction, which is said to prevent the possibility of unrolling the front springs in pushing heavy loads up steep grades or driving over rough roads. The sturdy strut rod places the burden of this service upon the heavy steel axle and frame, relieving the springs of this strain.

The two-ton chassis have frame dimensions adaptable to any type of body. The loading space is 10 ft. 5 in. standard or 13 ft. optional. The engine used is a Continental unit power plant having four cylinder cast in block, L-head design. The bore is 4⅛ in. and the stroke is 5½ in. Enclosed valves afford protection from dirt and dust. S. A. E. h.p. is 27.2 at 1000 r.p.m. Positive plunger pump and splash system of lubrication is employed. The oil scoops on the ends of connecting-rods distribute the oil and help to lubricate the cylinder walls. Capacity of the oil base is two gallons. The clutch is of the multiple disc dry plate type with Raybestos lined plates. A three-speed selective sliding gear transmission provides a gear reduction of 3.36 to 1 on first, 1.76 to 1 on second, and 1 to 1 on high. Both the clutch and transmission are of Brown-Lipe manufacture Drive to the rear axle is through two propeller shafts fitted with universal joints. Final drive is cared for by a Sheldon worm drive rear axle. This unit has a one-piece cast steel housing and is of the semi-floating type. Ball bearings on the worm and in the differential and roller bearings



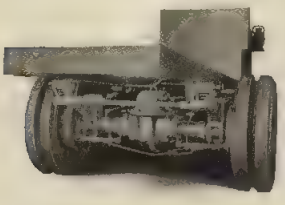
Some of the United Models for 1917.

The truck shown at the top of this illustration is the 3½ ton model On the left is the 5 ton and on the right is a view of the 2 ton job. The units employed in the manufacture of this line are all of standard make.

at the wheels are regular equipment. The wheels are of wood, heavy artillery type, with 12 spokes in front and 14 in the rear. The frame is heavy channel steel, 5 in. high by 1⅞ in. flange of 9 lbs. steel per foot. Rigid construction throughout. Other details include Eisemann high-tension magneto, Stromberg carburetor, center control, and the usual equipment. The price is $2250 in prime coat.

3½-ton Model.

In the 3½-tonner there is a 4½ in. by 5½ in. Continental engine with Eisemann high tension magneto. The drive is by Brown-Lipe disc clutch and three speed transmission to the Sheldon worm drive axle. This



Rear Axle of the 3½ ton United.
This is of the semi-floating type. The housing is one piece cast steel. A particularly noteworthy feature is the generous proportions of all the parts.

model has a wheelbase of 144 in. short and 168 in. long. Fitted with a governing device the speed is limited to 12 miles per hour. Tires are 36 in. x 5 in. front and 36 in. by 5 in dual rear. Price, $2900.

4-ton Model.

This model is very much the same as the 3½-ton with the exception of the engine, which is a Wisconsin unit power plant. Dimensions are 4¾ in. by 5½ in. S. A. E. h.p. rating is 36.1. The tires are slightly larger and the price is $3200 in priming coat.

5-ton Model.

The 5-ton is suited to the requirements of merchants requiring a heavy duty truck with a wide range of application. The various units entering into its construction show that the designers were guided by the popular demand for serviceability and economy. The engine, which is a Wisconsin T-head 4 cylinder 4¾ in. by 5½ in. product, is three-point supported and develops 36.1 h.p. S. A. E. rating. As in the smaller models the clutch and transmission are Brown-Lipe, while the rear axle is a Sheldon semi-floating worm drive unit. The frame is of generous gage and section, being 7 in. deep by 14.75 thick. It is well stiffened with cross channels and riveted at all points. The seat and dash are made of electric welded steel with unit cab socket integral. Cushions are 8 in. thick with upholstered back. Two lengths of wheelbase are specified, 144 in. standard, and 168 in. optional. Other specifications include 1800 lb. body allowance, 28 gal. gasoline tank, steel wheels, 36 x 6 in. front tires, 40 x 6 in. dual rear. The price for the chassis in priming coat is $3900.

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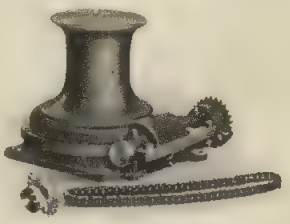
New Truck Winch Which Can be Applied to Any Make of Truck

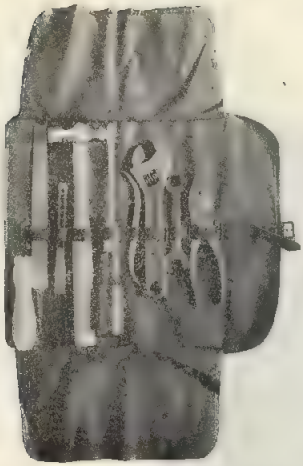
Contractors, safe movers, electric light and power companies and others in similar lines of business who have occasion to transport heavy articles by motor truck should be much impressed with the new truck winch made by the Mead-Morrison Mfg. Co., of East Boston, Mass. This winch is especially recommended for this kind of work, as it not only takes a minimum of the loading space in a truck, but also because it is fitted with an automatic brake, which positively prevents backward turning of the winch head should the driving chain break. This winch is easily installed. The extra



New Truck Winch.
This newly marketed device is applicable to any truck

sprocket shown in the illustration is furnished with bore and keyway suitable for the power take-off shaft, which is driven by the truck engine and controlled through the transmission. The winch after being located in the proper place on the truck platform, usually under the driver's seat, is bolted down, the chain put in place, and the outfit is ready for operation. The winch head is 8 in. in diameter and 11 in. long. It runs on a bronze bushed steel pin. The worm gearing runs in oil. The space required for attaching the winch is 22 sq. in. Price ready to attach is $350.

AUTOMOBILE TOOL KITS



No. 1A KIT

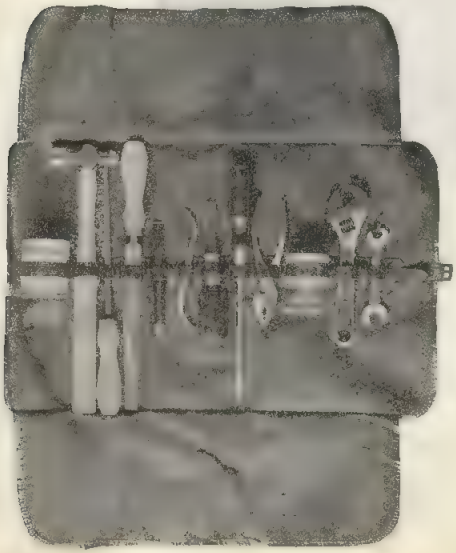
NO. 1A

Heavy brown duck roll, leather bound. Adjustable leather loops; inside flaps. Complete with leather strap and buckle. Dimensions of roll 12x14 in.

Eight High-Grade Tools

1 Clean Cut Universal pliers, No. 307, 7"
1 Ball pein hammer, No. 557, 6 oz.
1 Screw driver, No. 100, 5"
1 " Cold chisel, ½"
1 " Mill file, 8 "
1 Crescent pattern wrench, 8"
1 Semi-finished engineer's wrench, No 25
1 Cotter pin tool, No. 1898

No.	Wt. each	Each
1A	3¼ lbs.	$5.00



No. 2A KIT

NO. 2A

Heavy brown duck roll, leather bound. Adjustable leather loops; inside flaps. Complete with leather strap and buckle. Dimensions of roll 14x22 in.

Twelve High-Grade Tools

1 Clean Cut Universal pliers, No. 307, 7"
1 Ball pein hammer, No. 557, 6 oz.
1 Screw driver, No. 100, 6"
1 Screw driver, No. 970, 2½"
1 " Cold chisel, ½"
1 " Mill file, 8"
1 " Round file, 8"
1 Crescent pattern wrench, 8"
1 Semi-finished engineer's wrench
1 Cotter pin tool
1 Auto assortment lock washers, No. 25
1 Auto assortment spring cotters, No 1898

No	Wt each	Each
2A	7 lbs.	$7.50

AUTOMOBILE TOOL KITS

Clean Cut TOOLS

NO. 3A KIT

No. 3A KIT

Heavy brown duck roll, leather bound. Adjustable leather loops inside flaps. Complete with leather strap and buckles. Dimensions of roll, 14x27 inches.

Twenty-two High-Grade Tools and Accessories

1	Clean Cut	Side cutting pliers, No. 80, 6"
1		Universal pliers, No. 307, 7"
1		Ball peen hammer, No. 007, 6 oz.
1		Screw driver, No. 110, 5½"
1	"	Screw driver, No. 200, 6"
1	"	Screw driver, No. 970, 2½"
1	"	Cold chisel, 5/8"
1	"	Cold chisel, ½"
1	"	Mill file, 8"
1	"	Round file, 8"
1	"	Square file, 8"
1	Clean Cut	Slim taper file, 6"
1		Knife hand wrench, 10"
1		Crescent pattern wrench, 8"
1		Semi-finished engineer's wrench No. 25
1		Semi-finished engineer's wrench, No. 30
1		Cotter pin tool, No. 1898
1		Bearing scraper, No. 1754
1		Machinist's punch, No. 4
1		Machinist's punch, No. 15
1		Auto assortment lock washers
1		Auto assortment cotter pins

No.	Weight	Each
3A	9½ lbs.	$13.00

MATTOCKS

Clean Cut

NOS. 10 AND 20

Crucible steel, blades painted black, with polished bits. **Fully warranted.**

Long Cutter.

No.	Width cutter, in.	Width bit, in.	Length over all, in.	Weight doz., lbs.	Per doz.
10	4	4¾	18	72	**$18.00**

Short Cutter.

No.	Width cutter, in.	Width bit, in.	Length over all, in.	Weight doz., lbs.	Per doz.
20	3	4¾	16	66	**$17.00**

Two dozen in a case

STANDARD

Cast steel, painted black, with polished bits.

Long Cutter.

No.	Width cutter, in.	Width bit, in.	Length over all, in.	Weight doz., lbs.	Per doz.
100	2½	3½	16	60	**$16.00**

Short Cutter.

No.	Width cutter, in.	Width bit, in.	Length over all, in.	Weight doz., lbs.	Per doz.
120	2½	3½	14	56	**$16.00**

Two dozen in a case.

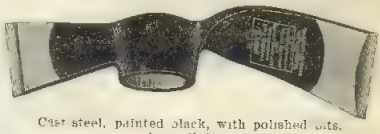
ASPHALT MATTOCKS
STANDARD

No. 90

No.	Weight	Length over all	Per doz.
90	9 lbs.	19¾ in.	**$25.00**

Two dozen in a case.

HUNT'S



Cast steel, painted black, with polished bits.

Long Cutter.

No.	Width cutter, in.	Width bit, in.	Length over all, in.	Weight doz., lbs.	Per doz.
50	3	4⅞	18	72	**$18.50**

Short Cutter.

No.	Width cutter. in.	Width bit, in.	Length over all. in	Weight doz., lbs.	Per doz.
60	3	4¾	16	66	**$18.50**

Two dozen in a case

PICK MATTOCKS

Clean Cut

No. 30

Crucible steel blade and pick. Painted black, bit and pick polished. **Fully warranted.**

No.	Width bit	Length over all	Weight per doz.	Per doz.
30	4 in.	17 in.	72 lbs.	**$18.50**

Two dozen in a case

STANDARD

Extra cast steel, painted black. Polished blade and pick.

No.	Width bit	Length over all	Weight per doz.	Per doz.
140	3½ in.	15 in.	60 lbs.	**$16.00**

Two dozen in a case

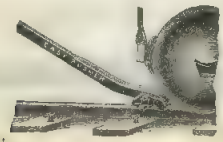
RAILROAD TRACK TOOLS

CAR STARTERS
NEW VERONA

No. 15

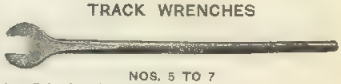
No.	Length	Wt. each	Each
15	7 ft.	38 lbs.	**$8.00**

EASY PUSHER



No	Weight	Each
25	10 lbs	**$10.00**

TRACK WRENCHES



NOS. 5 TO 7

No.	Opening, in.	Bolt, in.	Length, in	Wt. each	Each
5	1⅛	⅝	24	4½ lbs.	**$1.50**
6	1⅜	¾	24	4½ lbs.	**1.50**
7	1½	⅞	24	6½ lbs.	**1.75**

TRACK TONGS

Track Tongs	Wt. each	Each
Solid cast steel	17 lbs	**$5.00**

RAILROAD TRACK TOOLS

COMSTOCK TRACK MAULS

RAILROAD

Extra quality cast steel, oil finish. **Warranted.**

	Per pound
Comstock Railroad Maul	$0.30

Weights, 6, 7, 8 and 9 lbs

VERONA TRACK MAULS

Extra quality cast steel.

	Per pound
Verona Railroad Mauls	$0.30

Weights, 8 and 9 lbs

TRACK CHISELS

Extra quality cast steel.

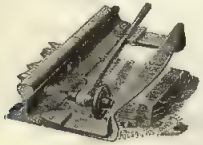
	Wt. each	Per lb
Verona	5¼ lbs	$0.50

RAIL BENDERS

NOS. 00 TO 3

No.	For rails	Wt. each	Each
00	16 lbs.	35 lbs.	$24.00
0	20 lbs.	42 lbs.	30.00
1	25 lbs.	50 lbs.	36.00
2	50 lbs.	67 lbs.	48.00
3	75 lbs.	116 lbs.	72.00

TRACK DRILLS

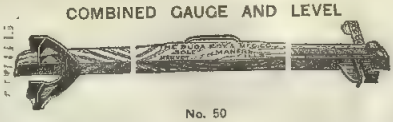


No. IXL

Steel frame, with ratchet; strong, light, and easily adjusted. Not necessary to draw spikes to operate.

No.	Wt. each	Each
IXL	23 lbs.	$24.00
	Extra Drill Bits	1.00

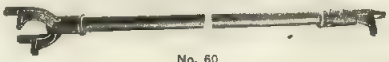
COMBINED GAUGE AND LEVEL



No. 50

No.	Wt. each	Each
50	10½ lbs.	$7.00

STANDARD TRACK GAUGE



No. 60

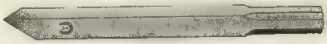
No.	Wt. each	Each
60	12½ lbs.	$3.50

CROW BARS

Forged steel; oil finish. Hardened points.

No. 2—WEDGE POINT

No.	Weights, Assorted	Per lb
2	10 to 30 lbs.	$0.10



No. 4—PINCH POINT

No.	Weights, Assorted	Per lb.
4	10 to 30 lbs.	$0.10

LINING BAR

No. 6

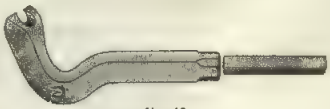
No.	Weights, Assorted	Per lb
6	12 to 20 lbs.	$0.12

TAMPING BAR

No. 8

No.	Weights, Assorted	Per lb
8	10 to 12 lbs.	$0.14

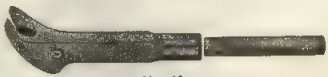
GOOSE NECK CLAW BAR



No. 10

No.	Weights, Assorted	Per lb.
10	25 to 30 lbs.	$0.16

RAILROAD CLAW BAR



No. 12

No.	Weights, Assorted	Per lb
12	25 to 30 lbs.	$0.16

HOUSE ANNUNCIATORS

ROSS ELEVATOR

NOS. 43035 TO 43042

Removable bell. This is the regular instrument with drops arranged in a single perpendicular row for elevator use. The needles give a full quarter turn, and will not shake down. Where annunciators are to be placed in cars enclosed in metal lattice work, solid wood backs can be supplied to which the front is attached by lugs at an extra cost of 50c each net. Made up to six drop in a single row. Larger sizes in two rows. Finished in oak. No extra charge for special lettering.

No.	Drops	Width, in.	Depth, in.	Height, in.	With mechanical set back, Each	With electrical set back, Each
43035	3	6 1/2	4 1/2	13	$ 6.00	$ 8.00
43036	4	6 1/2	4 1/2	15 1/2	6.50	8.50
43037	5	6 1/2	4 1/2	17 1/2	7.80	9.80
43038	6	6 1/2	4 1/2	19 3/4	9.00	11.00
43039	7	8 3/4	4 1/2	17 1/2	10.00	12.00
43040	8	8 3/4	4 1/2	17 1/2	11.00	13.00
43041	9	8 3/4	4 1/2	19 3/4	12.00	14.00
43042	10	8 3/4	4 1/2	19 3/4	14.30	16.50

Made for house and hotel use. The carving is done by hand and the finish is hand-rubbed. Furnished in intervening sizes. Made in oak. Special woods to order. No extra charge for special lettering.

"HUB" NEEDLE DROP

STYLE C—"HUB"

GRAVITY DROP

STYLE D

"HUB" NEEDLE DROP

The needles which are attached to the face plate do not "jiggle" or stick to magnet when reset. Bell frame opens in front and rests on hinges and wire connections set in front, thus affording easy access for wiring.

	Each
3 point	$ 5.00
4 point	5.50
5 point	6.00
6 point	7.00
8 point	8.50
10 point	10.00
12 point	12.00
15 point	16.00
20 point	20.00
25 point	25.00

"COMPETITION" NEEDLE DROP

Does not require any catches or brackets to fasten to the wall. Opening glass front, which holds glass frame and bell, permits easy access for wiring and makes a neat and substantial way of fastening to the wall. The case is dust and bug-proof.

No.	Needle arrangement Down	Across	Width	Size of case Height	Depth	Each
3	3	1	6 1/4	12 3/4	4	$ 5.00
4	4	1	6 1/4	14 3/4	4	5.50
5	5	1	6 1/4	16 3/4	4	6.00
6	3	2	7 1/4	12 3/4	4	7.00
8	4	2	7 1/2	14 3/4	4	8.50
10	5	2	7 1/2	16 3/4	4	10.00
12	4	3	9 1/2	14 3/4	4	12.00
15	5	3	9 1/2	16 3/4	4	15.00
20	5	4	11 1/2	16 3/4	4	20.00
25	5	5	13 1/2	16 3/4	4	20.00

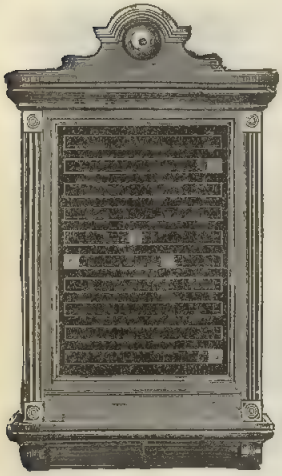
GRAVITY DROP

The drops and bell are mounted on a back board. The case is attached to the back board by two clamp hooks. Drops and all other parts are easy to wire and inspect.

No		Each
1674	2 drop	$ 3.00
1662	3 drop	3.50
1663	4 drop	4.00
1664	5 drop	4.50
1665	6 drop	5.00
1666	7 drop	5.50
1667	8 drop	6.00
1668	10 drop	7.00
2062	12 drop	8.00
2063	14 drop	9.40
2064	15 drop	10.10
2065	16 drop	10.80
2066	18 drop	12.20
*2067	20 drop	13.60
*2068	22 drop	15.00
*2069	25 drop	17.10
*2070	28 drop	19.20
*2071	30 drop	20.60

*Factory shipment only.

HOTEL ANNUNCIATORS



GRAVITY DROP

An elegantly finished heavy case, high grade gravity drop annunciator, suitable for any hotel office. Every part is carefully constructed, tested and guaranteed to work satisfactorily. Woodwork made in oak, walnut, mahogany or stained cherry. Tags numbered or lettered as desired.

PLAIN DROP

No.	Drops	Each
1676	10	$15.00
1677	12	17.00
1678	15	19.00
1679	20	23.00
2025	25	27.00
2026	30	32.00
2027	35	36.00
2028	40	40.00
2029	45	45.00
2030	50	50.00
2031	60	60.00
Extra for each additional drop		1.00

WITH RETURN CALL

No.	Drops	Each
1681	10	$18.00
1682	12	21.00
1683	15	24.00
1684	20	30.00
2040	25	36.00
2041	30	43.00
2042	35	50.00
2043	40	57.00
2044	45	64.00
2045	50	70.00
2046	60	76.00
Extra for each additional drop		1.40

ROSS

"AVONIAL" STYLE CASE

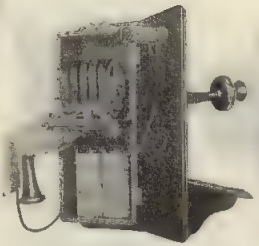
A handsome well finished case made with mortised corners. Absolutely no adjustment is ever required to compensate for wear or correct the displacement resulting from hard usage. A full quarter turn is made upon the drop being released. This drop is positive in action. No springs o rcomplicated mechanical arrangements are used Will not shake down. It is almost impossible under the severest test to "throw" the drop except by an electrical impulse. Furnished in intervening sizes. Made in Ri'g ' oak, special woods to order

No.	Drops	Arrangement Across	Arrangement Down	Extreme measurements Width	Extreme measurements Height	Each
50511	3	2	1	8¾ in.	13 in.	$ 8.00
50512	4	2	2	8¾ in.	13 in.	8.50
50513	6	2	3	8¾ in.	15½ in.	11.00
50514	8	2	4	8¾ in.	17½ in.	13.00
50515	10	2	5	8¾ in.	19¾ in.	15.00
50516	12	3	4	10¾ in.	17½ in.	19.00
50517	16	4	4	12 in.	17½ in.	21.00
50518	20	4	5	12 in.	19¾ in.	25.00

AMERICAN ELECTRIC COMPANY TELEPHONES

WALL SET IRONCLAD DESK SET

No. 360



No. 360—BACK VIEW

No. 99

No. 43

A simple, compact instrument. No wiring on the back of backboard. Every part handy. Hook, generator, receiver terminals, induction coil, condenser (if required) all on one shelf. Two wires only from shelf to line terminals on top of phone. Screws on shelf make contact substantial. No hinge connections.

No. 360 wall type bridging phone, finished in golden oak, with following equipment:

Generator	Ringer	Each
3 bar	500 ohm	$18.00
3 bar	1000 ohm	18.50
4 bar	1000 ohm	19.50
4 bar	1600 ohm	20.00
5 bar	1000 ohm	20.50
5 bar	1600 ohm	21.00
5 bar	2000 ohm	21.50
5 bar	2500 ohm	22.00

No. 99

Weatherproof Iron Telephone

Designed for interurban railways, mines, police systems, etc. Encased in a substantial iron box and using an iron plate to protect the working parts while the telephone is in service When not in service, the closed door affords double protection. All the coils are treated, making them moistureproof. The door closes on a rubber gasket

No.	Generator	Ringer	Each
99	3 bar	80 ohm	$18.25
	4 bar	1000 ohm	19.25
	5 bar	1600 ohm	20.25

All cords connect in the base, none enter the stem. The stem is self-contained, the base also; a screw holds them together. No movable parts connect between the stem and base. A solid troubleproof head keeps transmitter at just the right angle. The induction coil in base prevents a toppling stand and means one less conductor in cordage, a large saving in cordage maintenance Coil can be removed without disturbing other parts.

No. 43 desk set with two-piece generator and ringer in one cabinet with following equipment:

Generator	Ringer	Each
3 bar	500 ohm	$21.00
3 bar	1000 ohm	21.50
4 bar	1000 ohm	22.50
4 bar	1600 ohm	23.00
5 bar	1600 ohm	24.00
5 bar	2000 ohm	24.50
5 bar	2500 ohm	25.00

For three-piece desk sets (generator and ringer in separate cabinets) add	1.00
Desk stand only, with cordage (induction coil in base included)	9.50
Condenser in receiver circuit, add	.50
Push button to ring to ground on metallic lines, add	1.00
D. C. generator for central checking (calling central only) add	1.00
Biased ringers, add	.50
Less lightning arrester, deduct	.20
Less transmitter, deduct	1.50
Less transmitter arm and cord, deduct	2.00
Less receiver and cord, deduct	1.30

Batteries not included.

DUPLEX TELEPHONES

A small battery telephone designed for private line use with one telephone at each end of the line. Distance between telephones not to exceed 2000 ft.

	Per pair
Duplex	$13.00

Batteries not included.

TRANSMITTERS

No. 50

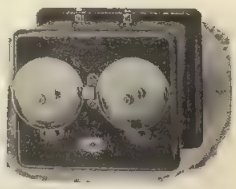
RECEIVERS

No. 60

No.		Each
50	**Transmitter**	$1.00
60	**Receiver**	1.00
	Composition Mouthpieces	.06
	Glass Mouthpieces	.25

No. 60 with 30 in. green silk cord. No. 50 with back cup and mouthpiece.

EXTENSION BELLS

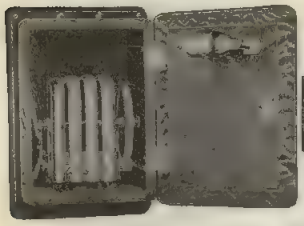


These are for use on magneto telephone circuits. The resistance of the ringer coils must correspond to the resistance of the ringers used in the telephones used on the same circuit.

	Each
With 80 ohm ringer	$4.00
With 1000 ohm ringer	6.50
With 1600 ohm ringer	7.20

AMERICAN ELECTRIC TELEPHONE APPLIANCES

MAGNETO BELLS INDUCTION COILS RINGERS



NOS. 35F TO 416F

No. 31A

No 32D

No. 55

MAGNETO BELLS

For use in connection with magneto desk stands, either with or without the induction coil mounted therein. Also used for watchmen's signal boxes, electrical testing, fire alarms, etc.

No.	Generator bars	Ringer resistance	Each
35F	3 flat magnet	500 ohm	$10.00
310F	3 flat magnet	1000 ohm	11.50
410F	4 flat magnet	1000 ohm	12.50
416F	4 flat magnet	1600 ohm	13.00

RINGERS

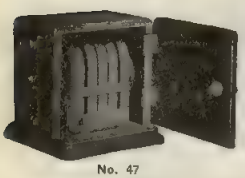
No.			Each
55B	No gongs	500 ohm	$1.00
55C	No gongs	1000 ohm	1.25
55E	No gongs	1600 ohm	1.50
55F	No gongs	2000 ohm	1.75
55G	No gongs	2500 ohm	2.00

INDUCTION COILS

Our induction coil is made after the most approved pattern and in accordance with a series of the most exhaustive experiments. A soft iron core is used, rigidly fastened to wood or fibre end pieces. Enamel insulated, soft-drawn copper wire is used, and is most carefully and accurately wound in layers. Paraffined paper is used as additional insulation between layers, and a heavy covering of cloth is placed around the outside of the coil. This great care in making up this coil we find of great importance. Induction coils must be wound in layers, otherwise their serviceability is impaired

No.		Each
31A	For No. 360 wall phone	$1.20
32D	For No. 43 desk phone	1.20

MAGNETO GENERATORS TESTING MAGNETOS SINGLE LEVER KEYS RECEIVERS AND HEAD BANDS



No. 47

No 9025

No. 1142

No. 3 RECEIVER AND No. 15 HEAD BAND

MAGNETO GENERATORS

No.		Each
58	3 bar bridging	$2.75
47	4 bar bridging	3.25
62	5 bar bridging	3.75

TESTING MAGNETOS

No.		Each
9025	25000 ohm	$14.00
9050	50000 ohm	15.40

SINGLE LEVER KEYS

All keys are made of special rolled nickel silver with platinum contact on talking circuit and special non-corroding contacts for ringing circuit. The springs are of such length as will not break readily in service, and to further avoid breaking they are reinforced where the bending occurs in operation, and the master springs are made of phosphorus bronze. The springs are bushed with hard rubber and mounted on special high grade insulation. The frames of the keys are of tolled stock with sufficient thickness so that they will not give in operation and affect the adjustment of the springs, and are substantially attached to the mounting place.

No.	Each
1142	$3.50

RECEIVER AND HEADBANDS

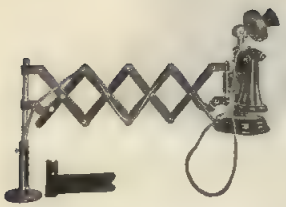
The operator's receiver and head band are of the lightest that are now in successful use. The receiver is constructed of the very best imported steel magnets, having soft-iron pole pieces wound with the very best silk insulated soft drawn wire. The cup is of aluminum and the cap of hard rubber. The head band is constructed of the very best spring steel, suitably covered with leather, and is hinged to the receiver in such a manner as to be easily adjustable to the convenience of the operator.

No.		Each
3	Watch case receiver, 100 ohm, aluminum cup, hard rubber ear piece, no cordage or head band included	$3.00
4	Switchboard receiver, same as above except with center of winding brought out	3.50
15	Leather covered head band	1.00
16	Black enamel head band without leather protection	.80

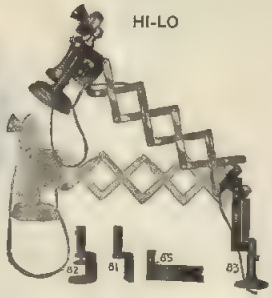
TELEPHONE BRACKETS

BURNS

REGULAR



HI-LO



EXTRA PARTS

NOS. 87 TO 147

With these styles of Burns telephone brackets several arms can be mounted on one base, that is, making a double or triple telephone arm without addition of an extra appliance. Simply raise the rear rod a trifle higher and slide on another arm. Both Regular and Hi-Lo Burns arms can be mounted on one base.

No.	Extension with clamp	Each
87	26 in.	$4.00
107	30 in.	4.50
127	34 in.	5.00
147	38 in.	5.50

NOS. H87 TO H147

No.	Length of bracket extended	Each
H 87	28 in.	$5.00
H127	32 in.	5.55
H147	36 in.	6.10

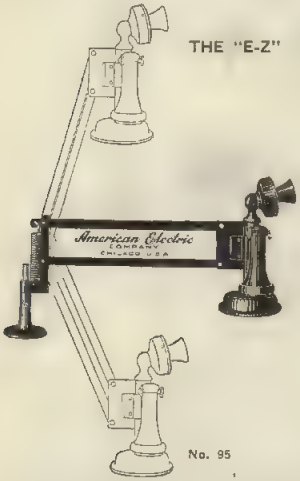
No. 86

No. 81

EXTRA PARTS

No.		Each
B	Telephone clamp	$0.35
81	Mounting, for flat top desk	.45
83	Mounting, for flat top desk	.45
85	Mounting, for roll top desk	.45
86	Mounting; clamp	.70
93	Mounting; double	.45

THE "E-Z"

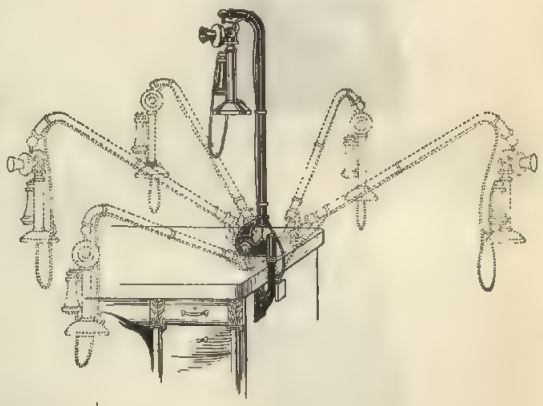


No. 95

The "E-Z" telephone bracket solves the problem for a low-priced, substantial and serviceable telephone arm. With this bracket the telephone can be lowered below the base as well as raised above it. This arm takes the same style of mountings and clamps as the Burns telephone arm. Finish: Nickel-plate with black enamel trimmings. Can be had in all black when so desired.

No.		Length of bracket extended	Each
95	"E-Z"	24 in.	$3.00

RADIO



Saves space, always ready, yet never in the way. Can be used sitting or standing, as holder may be tilted at any angle desired and phone is in a vertical position ready for use. Made in one size only—32-in. extension. Standard finish, tube oxidized copper, mounting, black enamel

	Each
Radio	$9.00

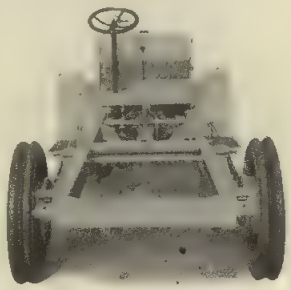
Fulton Has Interesting Features

By C. P. SHATTUCK

INDICATIVE of the progressiveness of the American motor car manufacturer is the record of the Fulton Motor Truck Co., of Farmingdale, Long Island, N. Y.

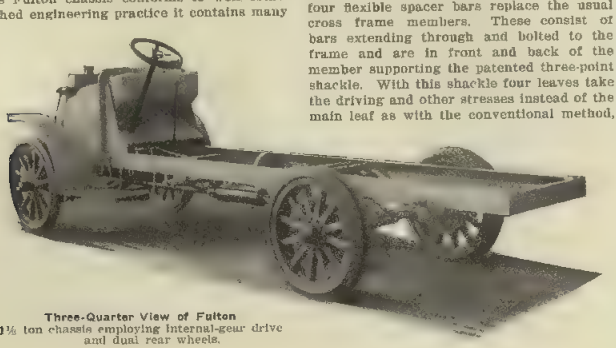
Seven months ago or in August, 1916, the work of designing and constructing the first truck was begun in a temporary building with a cabbage patch on the one side and a cornfield on the other. Today there are factory buildings of 30,000 sq. ft. of floor space and within two months additional buildings, covering an acre, will be completed to obtain an output of 2500 cars within 12 months from the time ground was broken for the initial building. An interesting feature of the buildings, which are built by the company, is the method utilized to enclose the south wall of each unit as it is added Wooden partitions, secured by lag screws, are utilized, and as fast as sidewalls are built, and roof and flooring put on, the wooden partitions are removed and the space permanently enclosed. This permits of expansion at a low cost, and five men can attach the partitions in two hours. At present there are nine units of brick and steel, one-story saw-tooth, each 150 x 20, and six are in the process of construction.

The Fulton truck, which has a guaranteed capacity of 3000 lbs., is the design of Albert F. Mais, a pioneer engineer in the commercial car industry, and well known as the designer of the Mais internal gear driven truck. While the Fulton chassis conforms to well established engineering practice it contains many interesting features, and throughout the components are noticeable for their sturdiness This is particularly true of the frame, designed to carry a 50 per cent. overload, and which obtains an overall length of 16 ft. 8 in., and a loading platform of 9 ft., which provides for loads of bulk as well as weight. The material is cold rolled steel, 3-16 in. thick, has a width of 5 1-16 in. and an angle of 2½ in. It is of the flexible type, and



Rear View of Fulton Chassis.
Showing short drive shaft and universal joint between gearset and propeller shaft.

differs from conventional practice in that four flexible spacer bars replace the usual cross frame members. These consist of bars extending through and bolted to the frame and are in front and back of the member supporting the patented three-point shackle. With this shackle four leaves take the driving and other stresses instead of the main leaf as with the conventional method,



Three-Quarter View of Fulton
1½ ton chassis employing internal-gear drive and dual rear wheels.

and the second, third and fourth leaves are brought up under the load. The rear end of the spring has a shackle that adjusts itself to elongations. The rear springs are semi-elliptic, have nine leaves, are 50 in. long, 2½ in. wide and are retained by four spring clips and a center bolt. The front members are 42 in. long, 2¼ in. wide and 2½ in. thick. All spring eyes have self-lubricating bushings and all pins are oil grooved and drilled.

The identity of the Fulton truck is easily disclosed by its radiator, designed by Mr.

Novel Fulton Radiator.
The design includes removable header and repairs to tubes are easily and quickly made.

Mais. It is circular in shape and has cast iron tanks and side frames with a core of diamond shape honeycomb type. Accessibility to the tubes is a feature, the header plate being retained by easily displaced nuts and bolts and sealed by a permanent type of gasket. Injured or leaky tubes can be corked on the road and a permanent repair made by sealing the broken members. It is stated that a new core can be inserted in less than an hour. Instead of the rubber hose of the outlet being clamped to the radiator proper, it is secured to a goose neck having a flange that is bolted to the header of the radiator. This eliminates fussing with a hose and its clamps when the radiator is to be removed, etc.

The Engine.

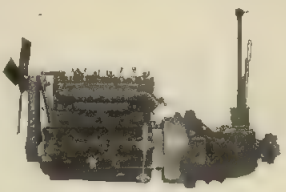
The engine is a special design built by Golden, Belknap & Swartz Co., is of the bloc type with detachable head, and the four cylinders have a bore of 3¾ in. and a stroke of 4¼ in. The piston displacement is 187.9 cu. in. and the S. A. E. rating is 22½ h.p. at 1000 r.p.m. At 1800 r.p.m., the rated speed, the engine develops 30 h.p. On a brake test it has developed 36.9 h.p. at 2800 r.p.m. A three bearing crankshaft is employed and the bearings are ample in size, their dimensions being as follows: Front, 1½ x 3⅜; center, 1⅝ x 2½; rear, 1⅝ x 4. The connecting-rod bearings are 1½ x 2. The valves are ample in size, are enclosed, and are located on the left of the L-head type of engine Both the intake and exhaust manifolds are detachable. Compression or priming cocks are standard equipment.

Cooling.

Cooling is by the thermo-syphon system and the water jackets and intake and outlet manifolds are ample in size, which with a large four-bladed fan and large capacity radiator, insure proper cooling under the most severe conditions of service. The fan is belt driven from a large pulley on the crankshaft and is supported by an upright that is slotted to provide means for maintaining the proper tension of the belt. An additional support is obtained by the use of a horizontal bolt attached to the upright and bolted to the detachable head of the cylinders. Ignition is by a Dixie magneto, of the true high tension type and the flexible coupling affords a very fine degree of setting of the magneto. The carburetor is a Sunderman and the fuel supply is by gravity from a 14 gal. capacity tank mounted on the driver's side of the dash. Lubrication is by a combination pump and splash system with a sight feed on the dash.

Clutch and Transmission.

The clutch and gearset is a unit with the power plant, the former being of the wet



Fulton Power Plant.
The engine is noticeable for its simplicity and is rated at 30 h.p Note the method used for adjusting tension of fan belt.

multiple disc type, steel to asbestos, and easy and positive engagement is emphasized of the design. The gearset affords the usual three forward speeds and reverse. A three-point engine suspension is employed. Directly in back of the gearset is a spider or

universal of steel and leather, and having a slip joint to take a short horizontal shaft, the rear end of which is mounted in a Swedish ball bearing housing packed in grease and felt. Final drive is through a propeller shaft to a universal in front of the rear axle.

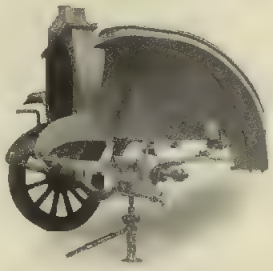
Rear Axle.

The rear axle is a Russel, an internal gear, and the load of the truck is carried on a solid bar of chrome nickel steel. The spindles are integral with this axle, and the design affords ample clearance when traversing soft roads or over roads where the ruts are deep. A feature emphasized of the design is that repairs can be made by the ordinary mechanic in the event of accident. The gear ratio is 7½ to 1. The front axle is of the conventional I beam section, a drop forging of heat treated steel and has a heavy steering knuckle spindle with the tie-rod in back of the axle. The road clearance is 10 in. The steering gear is of the irreversible type, a screw and nut, with an 18 in. wheel, and the driver is located at the left for domestic trade and at the right for export. The wheels have 12 extra heavy spokes, the front being 34 x 3½ in. and the rear 34 x 2½ in. dual, and heavy duty roller bearings are employed. The usual two sets of brakes are provided, the service being operated by a pedal and are of the external contracting type, 14 x 2½ in. The emergency brakes are of the internal expanding type, 13½ x 2 in. The emergency brake lever and gearshift lever are mounted on the gearset housing. The brake rods extend on the outside of the chassis frame, are adjustable and equalized. Dual tires, 34 x 2½ in., are standard equipment for the rear wheels, the company pointing out that they obtain a greater bearing surface, an advantage in traversing roads where the traction is not always of the best. The front members are also solid, 34 x 3½ in. The wheelbase is 136 in. and the equipment consists of horn, two side lamps, tail light, jack and tool equipment. The price of the chassis is $1090 f.o.b. the factory.

Showing the Clearance of the Russell Internal Gear Rear Axle.

No effort has been spared in giving attention to small details. An example of this policy is noted in the fenders which are of heavy steel and supported by a drop forging of approximately 7 lbs. instead of the usual construction. The apron is also sturdily secured, it being attached by bolts, and the entire construction will easily support the weight of a heavy person without giving. Castellated lock nuts are very liberally employed and throughout the accessibility and simplicity of those components requiring adjustment and lubrication have been carefully considered.

The output of the factory at the time this article was written is two cars a day, but with the additional buildings the production will be accelerated that 2500 trucks will be completed by August of the present year. The factory is well equipped to take care of this production, and at the present time is operating the machine shops 24 hours the day. The factory is well located for shipping facilities, being on the main line division of the Long Island railway and no trouble is being experienced in obtaining empty freight cars. The grounds comprise 43 acres and there is an 1800 ft. railroad frontage. The location is convenient to New York and is conducive to an export trade. The Fulton truck was formerly known as the Clyde, but owing to the fact that an exporting com-



Illustrating the Sturdy Suspension of the Front Fenders.

pany was utilizing a similar name, it was deemed advisable to make a change which was affected recently. E. E. Vreeland, treasurer of the company, states that the original output of 1200 trucks has been contracted for and that the demand for a 1½-ton truck warrants doubling the original number.

Nickerson & Schroeder, distributor for the Maxfer truck maker in New York City and Brooklyn, have just secured an order from the Coca-Cola Co., for 87 truck makers.

BOXWOOD RULES

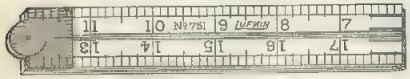
TWO FEET, FOUR FOLD

No. 651B

1 in. wide, round joint, middle plates, 8ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
651B	68	1¾ lbs.	$2.50

One dozen in a box



No. 751

1 in. wide, square joint, middle plates, 8ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
751	61	1½ lbs.	$3.00

One-half dozen in a box.

No. 761

1 in. wide, square joint, edge plates, 8ths, 10ths, 12ths and 16ths, with drafting scales

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
761	63	1½ lbs.	$4.00

One-half dozen in a box.

No. 781

1 in. wide, with drafting scales, square joint, half bound, 8ths, 10ths, 12ths and 16ths

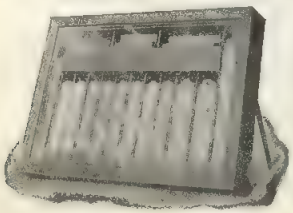
Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
771	84	2 lbs.	$6.50

One-half dozen in a box.

1 in. wide, with drafting scales, square joint, full bound, 8ths, 10ths, 12ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
781	62	2¼ lbs.	$8.00

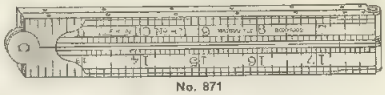
One half dozen in a box



No. 10

Dark oak case, consists of frame and tray containing twelve different styles of the best selling boxwood rules.

TWO FEET, FOUR FOLD

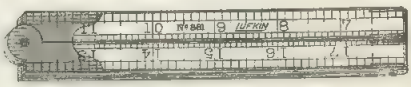


No. 871

1 in. wide, with drafting scales, arch joint, half bound, 8ths, 10ths, 12ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
871	82	2 lbs.	$7.25

One-half dozen in a box.

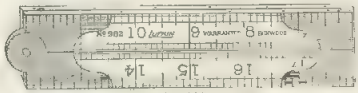


No. 881

1 in. wide, with drafting scales, arch joint, full bound, 8ths, 10ths, 12ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
881	54	2½ lbs.	$8.75

One-half dozen in a box.



No. 981

1 in. wide, with drafting scales, double arch joint, 8ths, 10ths, 12ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
951	59	2 lbs.	$3.25

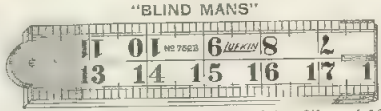
One-half dozen in a box.

1 in. wide, with drafting scales, double arch joint, full bound, 8ths, 10ths, 12ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
981	60	2½ lbs.	$10.75

One-half dozen in a box.

"BLIND MANS"



Two feet, four fold, square joint, edge plates, 8ths and 16ths, 1⅜ in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
762B	7	2 lbs.	$11.00

One-half dozen in a box

Three feet, four fold, square joint, edge plates, 8ths and 16ths, 1 in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
3761B	8	2 lbs.	$12.00

One-half dozen in a box.

LUFKIN RULE DISPLAY CASE

Contents

Quantity	No.		Quantity	No.	
18 only,	651B	as 68	3 only,	882	as 76
12 only,	751	as 61	3 only,	880	as 32
3 only,	761	as 63	8 only,	405	as 69
3 only,	771	as 84	3 only,	3851	as 66½
12 only,	781	as 62	2 only,	2051	
3 only,	762B	as 7	1 only,	2062	

No.	Size of case	Weight	Each
10	12½x17¼x2½ in.	17½ lbs.	$25.00

Packed safely in combined corrugated paper and wooden carton to prevent breakage of glass.

BOXWOOD RULES

TWO FEET, FOUR FOLD, NARROW

No 760

¾ in. wide, square joint, middle plates, 8ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz
750	61½	1½ lbs.	$3.25

One-half dozen in a box.

¾ in. wide, square joint, edge plates, 8ths, 10ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
760	63½	1¾ lbs.	$4.25

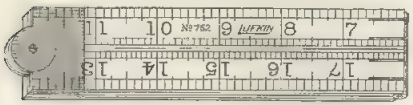
One-half dozen in a box

⅞ in. wide, square joint, full bound, 8ths, 10ths, 12ths and 16ths

Lufkin No.	Stanley No	Wt per doz	Per doz
780	62½	2 lbs	$8.00

One-half dozen in a box

TWO FEET, FOUR FOLD, BROAD



No. 752

1⅝ in. wide, with drafting scales, square joint, middle plates, 8ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
752	70	2 lbs.	$4.00

One-half dozen in a box

1⅝ in. wide, with drafting scales, square joint, full bound, 8ths, 10ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
782	72½	2½ lbs.	$9.00

One-half dozen in a box.

BOARD MEASURE, TWO FEET, FOUR FOLD, BROAD

Tables on inside give contents in board measure of 1 in. boards.

1⅝ in. wide, square joint, edge plates, 12ths and 16ths, drafting scales.

Stanley No.	Wt. per doz	Per doz.
70	2½ lbs.	$7.00

One-half dozen in a box.

ARCHITECTS, TWO FEET, FOUR FOLD,

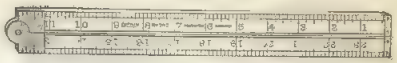
No. 861A

1 in. wide, with drafting scales, arch joint, edge plates, 8ths, 10ths, 12ths and 16ths. Inside edges beveled.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
861A	63½	1½ lbs.	$8.00

One half dozen in a box

TWO FEET, TWO FOLD



No. 702

Square joint, 8ths and 16ths, 1⅝ in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz
702	18	2 lbs.	$3.75

One-half dozen in a box.

Arch joint, bound, 8ths, 10ths and 16ths, 1⅛ in. wide, drafting and octagonal scales.

Lufkin No.	Stanley No.	Wt. per doz	Per doz.
808	5	3 lbs.	$9.50

One-half dozen in a box.

THREE FEET, FOUR FOLD

No. 3851

1 in. wide, arch joint, middle plates, 8ths and 16ths.

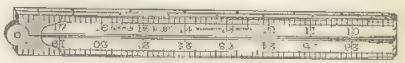
Lufkin No.	Stanley No.	Wt. per doz.	Per doz
3851	66½	2 lbs.	$6.00

One half dozen in a box.

1 in. wide, arch joint, edge plates, 8ths and 16ths

Lufkin No.	Stanley No.	Wt. per doz	Per doz.
3861	66¼	2 lbs.	$7.00

One-half dozen in a box



No. 3881

1 in. wide, arch joint, full bound, 8ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz	Per doz.
3881	66¾	3½ lbs.	$15.00

One-half dozen in a box

CARRIAGE MAKERS, FOUR FEET, FOUR FOLD

No. 4883

Arch joint, full bound, 8ths and 16ths, 1½ in. wide.

Lufkin No.	Stanley No.	Wt per doz.	Per doz.
4883	94	5¼ lbs.	$26.00

One-half dozen in a box

ONE FOOT, FOUR FOLD

Round joint, middle plates, 8ths and 16ths, ⅝ in. wide.

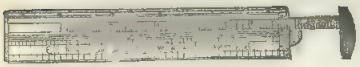
Lufkin No.	Stanley No.	Wt. per doz	Per doz.
465	69	1 lb.	$1.75

One dozen in a box.

BOXWOOD RULES

CALIPER

TWO FEET, FOUR FOLD



No. 781C

1 in. wide, with drafting scales, square joint, full bound, 8ths, 10ths, 12ths and 16ths

Lufkin No.	Stanley No.	Wt. per doz	Per doz
781C	62C	3 lbs	$13.50

One-half dozen in a box.

TWO FEET, FOUR FOLD, BROAD

1⅝ in. wide, with drafting scales, with caliper, arch joint, edge plates, 8ths, 10ths and 16ths.

Lufkin No.	Stanley No.	Wt. per doz	Per doz.
862C	83C	2 lbs	$12.00

One-half dozen in a box.

ONE FOOT, FOUR FOLD

Square joint, full bound, 8ths and 16ths, ⅝ in. wide.

Lufkin No.	Stanley No.	Wt per doz.	Per doz.
378	3	1⅛ lbs	$12.00

One-half dozen in a box

Arch joint, edge plates, 8ths, 10ths, 12ths and 16ths, 1 in wide

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
386	32	1⅝ lbs	7.00

One-half dozen in a box.

Arch joint, full bound, 8ths, 10ths, 12ths and 16ths, 1 in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
388	32½	1¾ lbs	10.00

One-half dozen in a box.

TWO FOLD

6 in. square joint, 8ths, 10ths, 12ths and 16ths, ⅞ in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
171	36	¾ lbs	$4.50

One dozen in a box

12 in. square joint, 8ths, 10ths, 12ths and 16ths, 1⅝ in. wide.

Lufkin No.	Stanley No.	Wt. per doz.	Per doz.
372	36½	1⅝ lbs	$6.50

One-half dozen in a box.

SHIP CARPENTERS BEVELS

No. 42

Double tongue, 8ths and 16ths.

Lufkin No	Stanley No.	Wt per doz.	Per doz.
42	42	1½ lbs	$4.00

One dozen in a box.

YARD STICKS

NOS. 7122 AND 7423

Maple, polished, brass tipped.

No.	Size	Wt. per doz.	Per doz.
7122	36x1x¼ in.	2¾ lbs	4.00

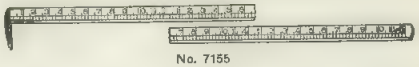
One dozen in a package

Hickory, polished, brass tipped.

No	Size	Wt. per doz.	Per doz
7123	36x1x¼ in.	2¾ lbs	6.00

One dozen in a package.

FREIGHT STICKS

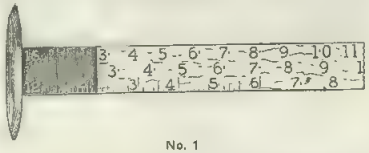


No. 7155

With 2 in. cast brass hook, graduated feet, inches and quarters on three sides. 5 ft. long, 1x⅝ in., polished maple.

No.	Wt per doz.	Per doz.
7155	14 lbs	$24.00

BOARD RULES



No. 1

Three tier, inspector's board rule. Selected second growth white hickory, tempered steel diamond head, brazed onto an extra heavy brass shoulder. 3½ ft. long, 1⅛ in. wide.

No.	Wt per doz.	Per doz
1	7½ lbs.	$27.00

COMBINATION RULE AND LEVEL

Closed, used as a level

Open, used as a rule

Made of clear boxwood, fitted with a spirit level. Joints are strong and durable. Graduated one side inches and eighths, other side inches and sixteenths.

No.	Length	Width	Folds	Wt per doz.	Per doz.
2051	1 ft.	11/16 in.	2	1¼ lbs	$10.00
2062	2 ft.	1 in.	3	2½ lbs	16.00

One-half dozen in a box.

Chas. Field Haviland (Limoges, France) Fine Dinner Ware

1863 1917

All Finest Quality White China. Finest of Finish and Decoration. All First Selection. Prices Per Set

No. **F279** 100-piece set complete..... **$96.67**

Soft pink, full blown poppy sprays, set off with small white buds and trailing green leaves. Natural effect. All handles traced in gold. Set contains: 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen butter chips, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray, or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 cream pitcher, 1 covered sugar bowl, 1 small platter or celery tray, 1 16-inch platter and 1 16-inch platter.

Small cut in upper left hand corner shows actual size of decorations.

No. **F280** 100-piece set complete..... **$134.17**

Pink roses, trailing vines and leaves in natural colors. All handles half mat gold. Set contains 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen bread and butter plates, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 10-inch platter and 1 16-inch platter.

Small cut in upper left hand corner shows slightly reduced size of decorations.

No. **F281** 100-piece set complete..... **$173.55**

Rich border of assorted flowers, trailing vines and leaves in natural colors and gold band decorations, all handles half mat gold. Set contains 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen bread and butter plates, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 16-inch platter and 1 16-inch platter.

Small cut in upper left hand corner shows slightly reduced size of decorations.

All of the above sets are open stock patterns. Prices of separate pieces furnished upon request.

Chas. Field Haviland (Limoges, France) Fine Dinner Ware

Finest Quality China, Decorations and Selections. Prices Per Set

No. F282 100-piece set complete **$174.58**

Rich green conventional border (stippled with forget-me-nots and leaves in natural color, and gold band decorations. Handles all half mat gold. Set contains: 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen bread and butter plates, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 10-inch platter and 1 16-inch platter

Small cut in upper left hand corner shows actual size of decorations.

No. F283 100-piece set complete **$223.35**

Small neat green gold and black conventional Persian design and gold band decorations, all handles half mat gold. Set contains 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen bread and butter plates, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray, or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 10-inch platter, 1 16-inch platter.

Small cut in upper left hand corner shows actual size of decorations.

No. F284 100-piece set complete..... **$240.93**

Rich blue and gold conventional border blue and gold bands all handles full mat gold. Set contains 1 dozen dinner plates, 1 dozen dessert plates, 1 dozen bread and butter plates, 1 dozen soup coupes, 1 dozen sauce dishes, 1 dozen cups and saucers, 1 gravy boat and tray, or pickle dish, 1 open oval vegetable dish, 1 covered oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 10-inch platter and 1 16-inch platter

Small cut in upper left hand corner shows actual size of decorations.

All of the above sets are open stock patterns. Prices on separate pieces furnished upon request.

Chas. Field Haviland (Limoges, France) Coin Gold Inlaid Dinner Ware

Fine Conventional and Bridal Rose Coin Gold Inlaid Designs. All Handles Full Mat Gold.

(Small Cut in Upper Left-Hand Corner of Dinner Set Shows Actual Size of Decorations.) Finest White Selected China.

CHOCOLATE SET

Height of pot, 9¾ inches, capacity, 6 half pints. Height of cup and saucer, 5¼ inches. Diameter of cup, 2¾ inches. Diameter of saucer, 5¼ inches.

No. P285 Set complete with 6 cups and saucers... $46.88
No. P286 Chocolate pot... each 12.80
No. P287 Cups and saucers per set of 6 33.08

MAYONNAISE BOWL

Plate attached. Height 2½ inches. Diameter of bowl, 4¾ inches. Plate, 6½ inches.

No. P288 Each $3.35

RAMEKIN AND PLATE

Height 1¾ inches. Diameter of ramekin 4½ inches. Plate, 5 inches.

No. P289 Per set of 6 $29.17

BOUILLON CUP AND SAUCER

Height, 2⅜ inches. Diameter of cup, 3½ inches. Saucer, 5½ inches.

No. P290 Per set of 6 $39.35

TEA SET

Gold spout on teapot. Height of tea pot, 4¼ inches, capacity, 4 half pints. Height of sugar 3½ inches. Height of creamer, 2⅝ inches.

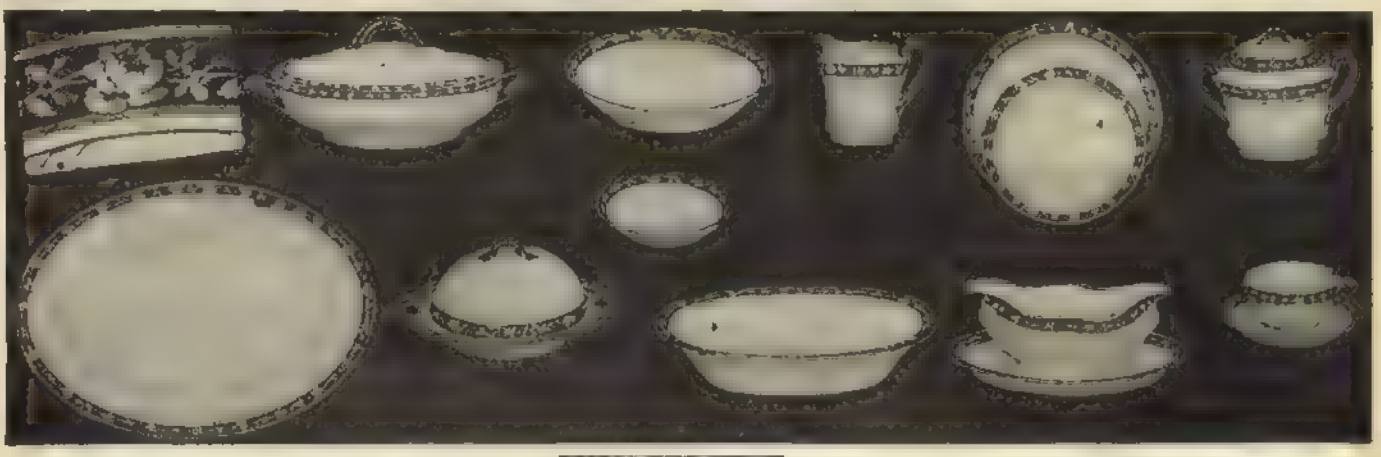
No. P291 Set complete $20.83
No. P292 Teapot ..... each 11.25
No. P293 Sugar and cream ... per set 9.58

No. P294 100-piece set, complete..... $411.05

Set contains 1 doz. dinner plates, 1 doz. dessert plates, 1 doz. bread and butter plates, 1 doz. soup coupes, 1 doz. sauce dishes, 1 doz. cups and saucers, 1 gravy boat and tray or pickle dish, 1 oval vegetable dish, 1 covered round vegetable dish, 1 covered butter dish with drainer, 1 covered sugar bowl, 1 cream pitcher, 1 small platter or celery tray, 1 10-inch platter and 1 16-inch platter.

Prices of separate pieces of above set:

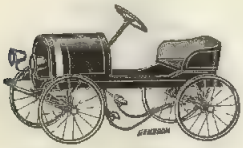
No. P295	Dinner plates	per doz.	$58.35	No. P304	Covered oval vegetable dish	each	$24.50
No. P296	Dessert plates	per doz.	45.83	No. P305	Covered round vegetable dish	each	27.58
No. P297	Bread and butter plates	per doz.	35.42	No. P306	Covered butter dish	each	12.00
No. P298	Soup coupes	per doz.	52.03	No. P307	Covered sugar bowl	each	7.50
No. P299	Sauce dishes	per doz.	31.25	No. P308	Cream pitcher	each	4.92
No. P300	Cups and saucers	per doz.	66.17	No. P309	Celery tray	each	9.58
No. P301	Gravy boat	each	19.80	No. P310	10-inch platter	each	12.30
No. P302	Pickle dish	each	6.47	No. P311	16-inch platter	each	34.58
No. P303	Open oval vegetable dish	each	12.17				



No. P312	Service plates, 9¼-in.	doz.	$87.36	No. P325	Choc. cups and saucers	doz.	$76.30	No. P338	Pickle dish	each	$ 5.83
No. P313	Dinner plates, 9-in.	doz.	58.87	No. P326	Ramekins and plates	doz.	65.15	No. P339	Sugar bowl, 6 tass.	each	7.90
No. P314	Breakfast plates, 8⅛-in.	doz.	47.13	No. P327	12-inch platter	each	8.50	No. P340	Creamer, 6 tass.	each	5.83
No. P315	Tea plates, 7½-in.	doz.	40.00	No. P328	14-inch platter	each	12.90	No. P341	Sugar bowl, 12 tass.	each	11.20
No. P316	Bread and butter plts. 6-in.	doz.	34.75	No. P329	16-inch platter	each	17.93	No. P342	Creamer, 12 tass.	each	6.73
No. P317	Sauce dishes	doz.	34.75	No. P330	18-inch platter	each	32.30	No. P343	Cake plate	each	10.10
No. P318	Soup coupes	doz.	44.87	No. P331	20-inch platter	each	42.63	No. P344	Chop plate	each	12.34
No. P319	Rim soups	doz.	47.13	No. P332	Covered oval veg. dish	each	23.13	No. P345	Tea pot, 12 tass.	each	15.47
No. P320	Oatmeal dishes	doz.	35.23	No. P333	Covered round veg. dish	each	23.13	No. P346	Chocolate pot	each	15.47
No. P321	After dinner cups and saucers	doz.	58.34	No. P334	Open round veg. dish	each	10.77	No. P347	Celery tray	each	11.20
No. P322	Tea cups and saucers	doz.	89.57	No. P335	Open oval veg. dish	each	10.77	No. P348	Soup tureen	each	37.03
No. P323	Coffee cups and saucers	doz.	78.53	No. P336	Sauce or gravy boat	each	17.07	No. P349	Covered sauce tureen	each	22.43
No. P324	Bouillon cups and saucers	doz.	83.03	No. P337	Butter dish	each	16.83	No. P350	Mayonnaise boat	each	12.34

WHEEL GOODS

AUTOMOBILES



No. 202

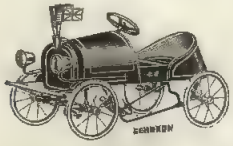
Body 12x30 in. Auto red, black front striped in yellow. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel. 10x⅝ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
202	40 lbs.	$9.00

No. 203

Body 12x31 in. Dark chrome green with red front, striped in yellow. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 10x⅝ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

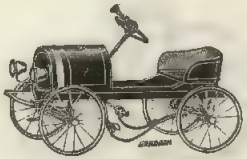
No.	Wt. each crated	Each
203	45 lbs.	$10.50



No. 205

Body 12x32 in. Gray body and front, red hood, striped and decorated in black. Inside-self starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 10x⅝ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn, also flags, extra.

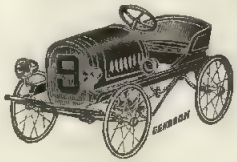
No.	Wt. each crated	Each
205	45 lbs.	$10.50



No. 210

Body 13x34 in. Gray body and front, red hood striped and decorated in black, red and white. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 12x⅝ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
210	44 lbs.	$11.20



No. 209

Body 13x36 in. Yellow body, black hood, striped and decorated in black and yellow. Inside self starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 12x⅝ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
209	46 lbs.	$12.00

No. 204

Body 12x38 in. Chrome yellow with red front, striped and decorated in red and black. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 10x½ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
204	55 lbs.	$12.50

All the above one in a crate. *Factory shipment only.

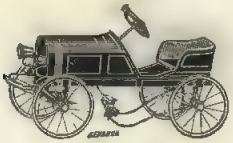
WHEEL GOODS

AUTOMOBILES

No. 207

Body 13x34 in. Royal auto blue, red hood striped in yellow and black. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 12x⅜ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

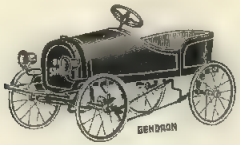
No.	Wt. each crated	Each
207	45 lbs.	$12.50



No. 212

Body 13x35½ in. Military green with black front, striped and decorated in black, yellow and gold. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 12x⅜ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

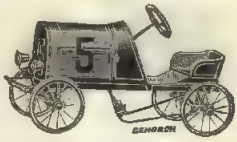
No.	Wt. each crated	Each
212	50 lbs.	$12.60



No. 208

Body 12x35 in. Blue body and hood, red front, striped in yellow and black. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever. 12x½ in. rubber tire wheels, red enamel. Nickel plated hub caps. *Lamps and horn extra.

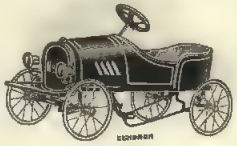
No.	Wt. each crated	Each
208	44 lbs.	$13.75



No. 215

Body 13x42½ in. Body red, with yellow front striped and decorated in yellow, red and black. Inside self-starter. Knuckle joint gear with bumper, black enamel. Wood rim steering wheel with imitation gas control lever. 12x½ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
215	63 lbs.	$15.25
215R	12x½ in. roller bearing wire wheels	16.50
215AW	12x⅝ in. roller bearing wood wheels	19.75



No. 217

Body 13x39 in. Military green with black front, striped and decorated in black and yellow. Inside self-starter. Knuckle joint gear with bumper, black enamel. Wood rim steering wheel with imitation gas-control lever. 12x½ in. rubber tire wheels, red enamel. Nickel plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
217	55 lbs.	$15.25

No. 214

Body 13x35½ in. Royal blue body, red front striped in yellow and white. Nickel-plated trimmings on radiator. Adjustable wind shield with nickel-plated frame. Upholstered seat. Inside self-starter. Knuckle joint gear with bumper, black enamel. Cast steering wheel with imitation gas-control lever 12x½ in. rubber tire wheels, red enamel. Nickel-plated hub caps *Lamps and horn extra.

No.	Wt. each crated	Each
214	50 lbs.	$16.50

All the above one in a crate. *Factory shipment only.

WHEEL GOODS

AUTOMOBILES

No. 218

Body 18x46½ in. Royal blue with red front, striped and decorated in yellow and black. Inside self-starter. Knuckle joint gear with bumper, black enamel. Wood rim steering wheel with imitation gas-control lever. Seat and back upholstered. 12x1½ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
218	65 lbs.	$18.00

No. 219

Body 13x36 in. Painted as follows: Seat, frame, rails and front of hood, chrome yellow, striped in red. Hood, red with black and white striping. Hood is 15¼ in. long. Adjustable wind shield with nickel-plated frame. Inside self starter. Knuckle joint gear with bumper and arched crown fenders, black enamel. Cast steering wheel with imitation gas-control lever. 12x1½ in. rubber tire wire wheels, red enamel. Nickel plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
219	60 lbs.	$19.00

No. 213

Body 13x35½ in. Royal blue body, black hood, striped and decorated in yellow and gold. Inside self-starter. Adjustable wind shield with nickel-plated frame. Knuckle joint gear with bumper and arched crown fenders, black enamel. Cast steering wheel with imitation gas-control lever. 12x1½ in. rubber tire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

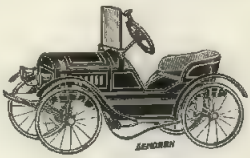
No.	Wt. each crated	Each
213	55 lbs.	$19.50
213R	12x1½ in. roller bearing wire wheels	21.00
213AW	12x⅝ in. roller bearing wood wheels	24.00

All the above one in a crate.

No. 226AW

Body 14½x42 in. Royal blue with red front striped in white and yellow. Adjustable wind shield with nickel-plated frame. Upholstered seat. Inside self-starter. Knuckle joint gear with bumper, black enamel. Wood rim steering wheel with imitation gas-control lever. 14x⅝ in. rubber tire, roller bearing wire wheels, red enamel. Nickel-plated hub caps. *Lamps and horn extra.

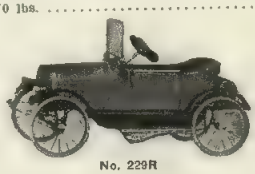
No.	Wt. each crated	Each
226R	70 lbs.	$21.00
226AW	14x⅝ in. roller bearing wood wheels	25.00



No. 227AW

Body 14½x42 in. Body French gray, striped and decorated in red and black with red front. Nickel-plated trimmings on radiator. Adjustable wind shield with nickel-plated frame. Upholstered seat. Wood rim steering wheel with imitation gas-control lever. Inside self-starter. Knuckle joint gear with bumper, black enamel. High speed gear. 14x⅝ in. rubber tire, roller bearing wood wheels, yellow enamel. Large nickel plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
227AW	70 lbs.	$30.00



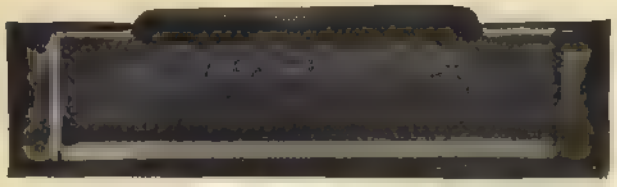
No. 229R

Body 14½x50 in. Dark chrome green with black hood striped in black, white and gold. Nickel-plated trimmings on radiator. Real fore doors. Gas tank on rear. Perforated radiator. Adjustable wind shield with nickel-plated frame. Upholstered seat. Inside self-starter. Knuckle joint gear with bumper and arched crown fenders, black enamel. Wood rim steering wheel with imitation gas-control lever. 14x¾ in. rubber tire, roller bearing wire wheels, red enamel. Large nickel-plated hub caps. *Lamps and horn extra.

No.	Wt. each crated	Each
229R	114 lbs.	$31.00
229AW	14x⅝ in. roller bearing wood wheels	33.00

All the above one in a crate. *Factory shipment only.

Harmonicas



THE CRACKER JACK.

No. 5222 14 double holes, 28 reeds, brass plates, heavy nickel covers ..... Each $1.05 Per dozen $10.30

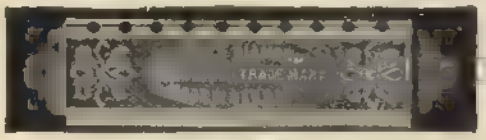
No. 282 10 single holes, white nickel reed plates, assorted keys ..... Each $0.45 Per dozen $4.25

GLORIOSA HARP.
Length 4⅛ Inches.

No. [illegible] 14 double holes, 14 reeds, brass reed plates, nickel covers ..... Each $0.45 Per dozen $4.45

STEEL BRONZE REEDS.

No. 5162 10 double holes, 32 reeds, white metal plates, white celluloid covers, [illegible] ..... Dozen $9.50

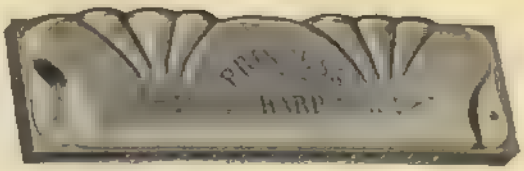


LITTLE DIAMOND.

No. 5012 8 single holes, 16 reeds, nickel covers ..... Each $0.20 Dozen $1.70

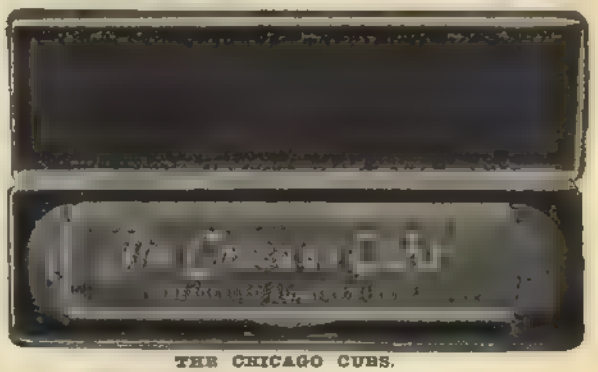
No. 0112 Tremolo Harmonica, 40 holes, 80 reeds on two sides, heavy brass plates, nickel covers, extension ends, can be played in two different keys. Each ..... $3.70 Per dozen $36.85

No. 5332 10 double holes, 40 superior quality reeds, brass plates, heavy nickel covers, powerful tone, easy blowing, assorted keys..... Each $1.80 Per dozen $17.90



PRINCESS HARP.

No. 5032 12 single holes, 10 reeds, white metal reed plates, fancy nickel covers ..... Dozen $2.40



THE CHICAGO CUBS.

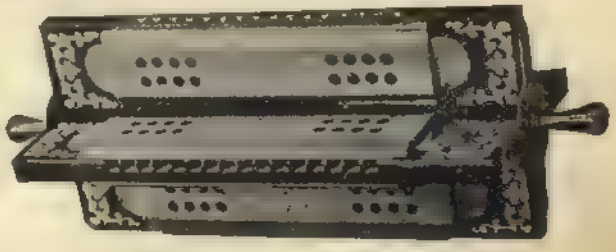
No. 5212 10 single holes, 20 superior quality reeds, brass plates, celebrated Chicago Cubs, assorted keys. Each ..... $0.85 Per dozen $8.45

WIENER CONCERT.

No. 5262 20 double holes, 40 reeds, brass reed plates, nickel covers, tremolo tuning ..... Each $1.70 Per dozen $16.85

WIENER CONCERT.

No. 5282 16 double holes on each side, 64 reeds, nickel covers, tremolo tuning ..... Each $1.90 Per dozen $19.00

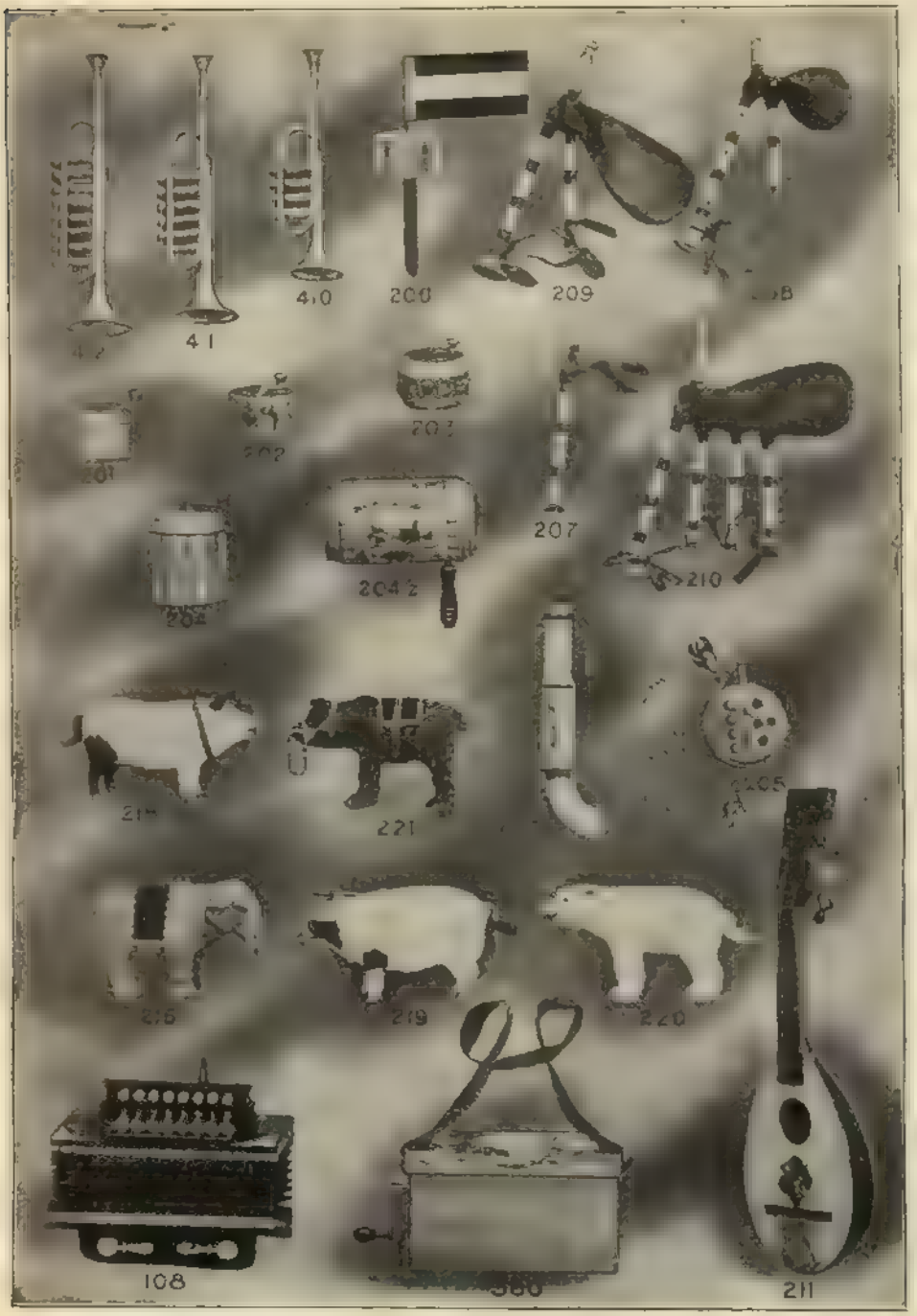


FOUR-IN-ONE TREMOLO CONCERT.

No. 5322 16 double holes on each side, 128 reeds, brass plates, nickel covers, 48 four keys, length, 5½ inches.

Each ..... $0.20 Per dozen $02.10

Musical Toys and Novelties for Children



BAGPIPES.

No.		Each
207	1 chanter, 7¾ inches long	$0.80
208	1 drone and chanter 8 inches long	1.90
209	1 drone and chanter, 9 inches long, large bag	3.05
210	3 drones and chanter 9½ inches long, large bag	3.85

TOY MUSIC BOXES

No.		Per doz.
200	Whirler, 4 notes, metal reeds red white and blue flag	$ 6.35
201	Round metal case, with crank, small size	2.40
202	Round metal case, decorated sides, with crank, medium size	3.60
203	Round, metal case, 7 notes, decorated sides, with crank, larger size	5.10
204	Round, metal case, 15 notes with crank, candy compartment	6.75
204½	Aerophone, 15 notes 7¾ inches high, operated by whirling	11.40

FLUTE HARMONICA.

No.		Per doz.
205	Round nickeled case 8 notes, 4 keys	$3.45

POP GUN.

No.		Per doz.
206	Wood, with 3 reeds, 9 inches long	$4.80

REED CORNETS.

With Pistons.

No.		Each
410	Heavy brass, 4 notes	$2.40
411	Heavy brass, 6 notes	3.85
412	Heavy brass, 8 notes	4.90

MANDOLIN.

No.		Each
211	7 ribs, maple and walnut finish, 4 strings, 17½ inches long	$3.20

ACCORDEONS

No.		Each
106	Ebonized case, gilt corner ornaments, open keyboard, 6 nickeled keys, 2 long basses	$3.40
108	Ebonized case, gilt corner ornaments, open keyboard, 8 nickeled keys, 2 long basses	3.85
110	Ebonized case, gilt corner ornaments, open keyboard, 10 nickeled keys, 2 long basses	4.25

HAND ORGANS.

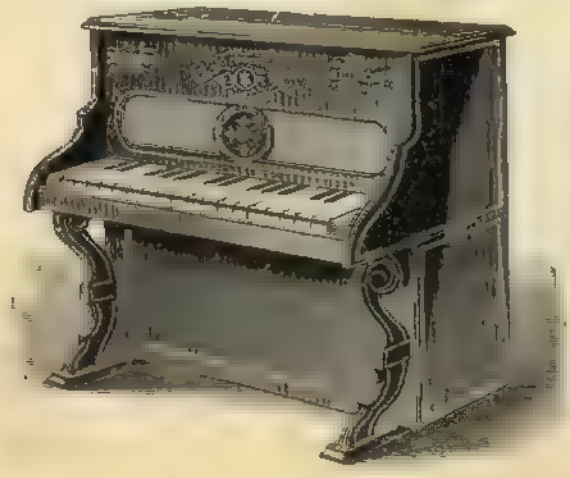
Steel Teeth.

No.		Each
340	1 air, beech case, chromo top, 7⅞ inches long	$4.80
360	2 airs, beech case, chromo top, 9½ inches long	6.35

MUSICAL ANIMALS.

Correctly Modeled, Beautifully Made, with Music Box Movement and Tail Crank.

No.		Each
215	Elephant, 6 inches long, 1 tune	$2.75
216	Elephant, 7½ inches long, 1 air	4.25
217	Pig, felt hide, receptacle for candy, 6½ inches long, 1 tune	3.05
218	Pig, real hide and hair covering, 7½ inches long, 1 tune	6.10
219	Pig, real hide and hair covering, 8 inches long, 1 tune	6.75
220	Polar bear, white wool covering 8 inches long, 1 air	4.25
221	Russian bear, brown wool covering 7 inches long, 1 air	4.25



Toy Pianos

No.		Each
1002	10 keys, with hinged lid, fancy panels, 11⅞x8⅜x7¼. rosewood finish, in pasteboard box. Weight, 2⅞ lbs.	$ 3.50
1012	15 keys, with hinged lid, 15⅞x10⅜x8¼, rosewood finish, in pasteboard box. Weight, 4½ lbs.	4.30
1022	15 keys, with hinged lid, neat metal bronzed standards and candelabra, 16½x14x9, rosewood finish, in pasteboard box. Weight, 7⅝ lbs.	10.30
1032	18 keys, ornamental legs and candelabra, 19x7½x10, rosewood finish, in pasteboard box. Weight, 10½ lbs.	14.80

No. 1082.

Toy Piano Stools

No.		Each
1072	Hard wood, dark mahogany finish, 4 legs, full height 7¾ inches	$1.05
1082	Hard wood, dark mahogany finish 4 legs, adjustable seat with steel screw, full height 11½ in.	2.15

NOTE. No stools are included with pianos

Toy Drums

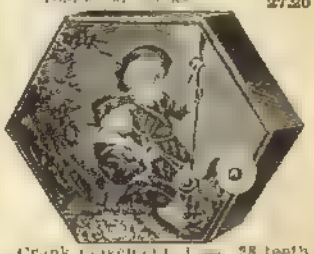
No. 70. No. 070.

Illustrations show ⅛ actual size.

No.		Each
1	Metal shell, imitation brass, handsomely embossed, flag and shields, with wood sticks	$ 1.80
2	Metal shell, handsomely embossed, star and crescent, 9-inch with sticks and sling	3.50
3	Metal shell, imitation brass, handsomely embossed, star pattern, 10-inch, with sticks and sling	3.90
4	Metal shell, imitation brass, handsomely embossed, with eagle and American flags, 11-inch with sticks and sling	
5	Metal shell, nickel plated, snare drum pattern, heavy cord, two calfskin heads, 12-inch, with sticks and sling	5.75
6	Oak veneered shell, heavy cord and hooks, one calfskin and one sheepskin head, 12-inch with sticks and sling	
6	Metal shell, nickel plated, nickel plated hand and hoops, 8 Prussian rods, one calf and one sheepskin head, 6 rawhide snares with snare strainer, 12-inch, with sticks and sling	10.80
7	Metal shell, nickel plated, hoops bound with nickel plated bands, heavy drum cord, 9 metal bound drum ears, 2 calfskin heads, 2 rawhide snares, 13-inch, with sticks and sling	10.80

YOUTHS' DRUMS.

70	14-inch bright metal shell, 7 inches high, 7 braces, nickel colored, maple hoops, 6 snares, long pattern snare strainer, 1 calfskin and 1 sheepskin head, with rosewood sticks	26.80
070	14-inch bright metal shell, 4½ inches high, 6 rods, natural colored maple hoops, 6 snares, long pattern snare strainer, 1 calfskin and 1 sheepskin head, with rosewood sticks	27.20



Crank movement, 18 teeth, paper label, enamel case, 3½ inches in diameter.
No. 612 Each . . . $3.10

Music Boxes

Cases with Rosewood Tops, Variegated Wood Inlayings, Interior Glass Covers, Nickel Plated Spring Lever Movements, Outside Crank Winding.

EACH WITH TUNE DIAL AND SAFETY CHECK.

No.		Each
3182	12 airs, 13-inch cylinder, tune skipper and speed regulator, case 11x27 inches	$126.75
3192	12 airs, 13-inch cylinder, with zither attachment, tune skipper and speed regulator, case 11x27 inches	131.90

A zither-like tone is attained through the medium of the zither attachment which is an adjustable bar that may be detached at will.

Nos. 792-892.

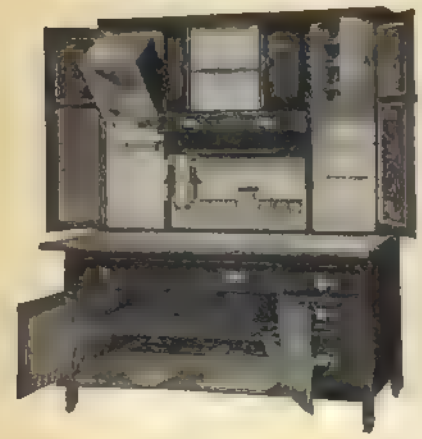
MUSIC BOXES—IMPROVED SPRING MOVEMENTS. With Attached Key.

No.		Each
792	Key winding, 2 airs, 18 teeth, **self-changing**, 1⅝-inch cylinder. Size 4¼ x3¼x2½. Chromo top.	$ 5.85
802	2 airs, 1⅝-inch cylinder, **self-changing**, wood case. Chromo top.	7.75
1862	2 airs, 36 teeth, 1⅝-inch cylinder, **self-changing**, scenic photo top, glass cover. Size 5¾x3½x3 inches	8.10
1872	3 airs, 36 teeth, 2⅛ inch cylinder, otherwise same as No. 186	11.65
1882	4 airs, 36 teeth, 2½-inch cylinder, otherwise same as No. 1862	13.30

Crank movement, 18 teeth, 3 airs, 3¼ inch round nickel case, chromo top.
No. 582 Each . . . $1.85
Same as above, with 18 teeth
No 592 Each . . $2.30

Crank movement, 2 airs, 36 teeth, large round nickel case, chromo top.
No. 842 Each $4.40

Fine Kitchen Cabinets



Selected oak, golden oak, waxed finish, full 3-ply doors, ends, panels and back. Drawers dovetailed front and back, art-glass doors. White enameled interior in top. Tilting metal flour bin, swinging glass sugar bin, 7 glass spice and tea jars, removable metal cake compartment with metal door and wire shelves, subdivided cutlery drawer, roll curtain. Sliding polished metal top. All-metal bread and cake drawer with automatic sliding lid and sliding support. Extra heavy, banded, sliding cutting board. Two sliding metal bottoms, sliding wire shelf and wire pan racks. All finnickeled hardware; castered. Height 72 inches, depth, closed, 27 inches; top, extended, 38 inches; width 36½ inches. Shipping weight, crated, 300 pounds.

No. 852 902 Each..... $113.50

Same as Above

With white porcelain sliding top

No. 852 902F Each..... $129.50

Hand rubbed spar varnish finish, extra 12.40

Selected oak, golden oak, wax finish full three-ply doors, ends, panel and back. All drawers dovetailed front and back; white enamel interior in top; tilting metal flour bin with glass front swinging sugar bin; 7 glass jars; roll curtain over bottom top compartment; two doors on upper compartment with shelf. All doors have art glass, four silver and cutlery drawers; base has sliding metal top; width 48 inches; one large linen drawer; sliding cutting board, three side utensil drawers; metal bread and cake drawer with sliding top; large utensil compartment with sliding wire shelf, wire racks on doors. All nickel heavily nickel plated. Height 73 inches; width 48 inches depth 25 inches. Dust and mouse proof metal bottom. Shipping weight crated, about 260 pounds.

No. 862 912 Each.....$95.75

Same as Above

With white porcelain sliding top

No. 862 912F Each..... $109.95

Hand rubbed spar varnish finish, extra 11.50

Selected oak; golden oak, waxed finish doors, panels, ends and back full three-ply veneer. Drawers dovetailed front and back. Three art-glass doors, tilting metal flour bin, swinging glass sugar bin and set of seven glass spice jars. Interior of top compartments white enameled. Large shelf compartment, drop roll curtain. Polished metal sliding top 27x40 inches, sliding cutting board and metal bread or cake drawer with automatic sliding top, sliding metal bottom, sliding wire shelf wire pan rack. All nickeled trimmings. Castered. Height 68 inches. Shipping weight crated, 230 pounds.

No. 742 162 Each..... $70.05

Same as Above

With white porcelain sliding top

No. 742 162EF Each.....$80.70

Hand rubbed spar varnish finish, extra. 10.65

Selected oak; golden oak waxed finish, 3-ply panels, ends, doors and back. Interior of top compartments white enameled. Tilting metal flour bin, three leaded-glass doors, large shelf compartment, swinging glass sugar bin, seven glass spice jars, sliding roll curtains. Polished metal sliding top 27x40 inches, sliding cutting board, all-metal bread or cake box with automatic sliding top. All-metal sliding bottom, metal sliding wire shelf, wire pan rack. All nickeled trimmings; castered. Height 68 inches. Weight, crated, 230 pounds.

No. 762 162 Each $70.95

Same as Above

With white porcelain sliding top.

No. 762 162EF Each $81.60

Hand rubbed spar varnish finish, extra. 10.65

Selected oak; golden oak, waxed finish, full three-ply doors, ends, panel and back. All drawers dovetailed front and back. Tilting metal flour bin with glass panel in front, three art glass doors; interior of top white enamel, swinging glass sugar bin; seven glass jars, two wide doors on bottom compartment. Three silver and cutlery drawers; base fitted with polished sliding metal top, width 40 inches, one large linen drawer; sliding cutting board, three side drawers, one metal cake and bread drawer with sliding top, large utensil compartment with sliding wire shelf; wire rack on door. Mouse proof metal bottom, castered; height 70 inches; width 40 inches, depth 28 inches; weight, crated, about 230 pounds.

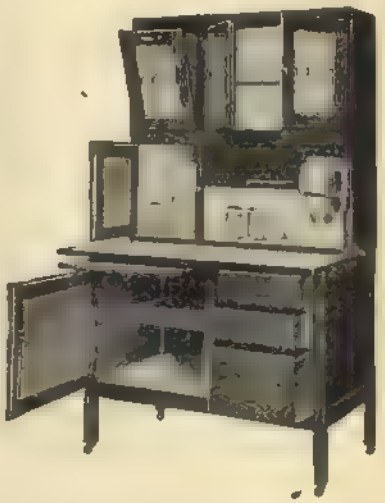
No. 712 162 Each. $69.15

Same as Above

With white porcelain sliding top.

No. 712 162F Each.....$79.80

Hand rubbed spar varnish finish, extra. 10.65



Selected oak; golden oak, waxed finish; all drawers dovetailed; tilting metal flour bin with glass panel; art-glass doors; interior of top compartments white enameled; drop roll curtain; swinging glass sugar bin; seven glass spice jars; one silver and cutlery drawer; one linen drawer, large metal bread and cake drawer; sliding cutting board; metal sliding wire shelf; wire pan rack, sliding polished metal top; all nickeled trimmings; mouse-proof metal bottom; castered. Height 70 inches; width 40 inches; depth 25 inches; weight, crated, about 200 pounds.

No. 282 262 Each .

Same as Above

With white porcelain top.

No. 282 262F Each. $71.80

Domestic Science Kitchen Cabinets

G.W. HUNTLEY CO. CHICAGO

1863 1917

Manufactured by one of the largest, modern factories. Every cabinet made of selected oak, not only air dried, but kiln dried and put through a patent process to withstand the steam, heat and changeable atmosphere of the kitchen.

Finish: Soft velvet golden oak, hand rubbed varnish, waterproof and steam proof.
The joints of the cases are all dovetailed. All corners reinforced.

ABSOLUTELY THE HIGHEST GRADE CABINETS MADE — **PRICES EACH F. O. B. OUR INDIANA FACTORY**

Our Special No. 172.....$54.30

Height, 70½ inches. Depth of cabinet, 19 inches. Width, 40 inches. Fitted with sanitary removable metal flour bin. Swinging glass sugar bin and seven spice jars and coffee jars. All corners have round dust blocks preventing the accumulation of dust. Hard white enamel interior. Two doors on upper compartment. Two large doors on lower compartment. Width of base, 40½ inches. Depth, 28 inches. Fitted with sliding metal top, sliding cutting board, two linen drawers, metal bread and cake drawer with sliding top, wire pan shelf in cupboard, wire rack on door, towel bar on side. Castered. Nickeled hardware. Shipping weight, about 18 lbs.

Same as above, with brown porcelain top on base.
No. 172P Each $59.85

Same as No. 172, white enamel all over.
No. 172E Each $61.00

Same as No. 172E, with white porcelain top.
No. 172EP Each $72.45

No. 112 Each $71.30

Height, 72 inches. Depth of top, 19 inches. Width, 40 inches. Fitted with sanitary removable metal flour bin, shelf compartment, swinging glass sugar bin and seven glass jars. Interior enameled with the hard white enamel. Two doors on shelf compartment under four bin doors and flour bin trimmed with mahogany finished panel. Mahogany finished drop roll curtain. Sliding brown porcelain top on base. Width, 40 inches. Sliding cutting board, two linen drawers and one metal cake and bread drawer with sliding top large pan compartment with sliding wire shelf, large wire pan rack on door, towel bar on side. All corners fitted with rounded dust blocks. Castered. Shipping weight, about 200 lbs.

No. 112 Each $71.30

Same as above, snowy white flat enameled all over. White porcelain top.

No. 112E Each $81.05

No 72 Each $73.35

Height, 71 inches. Depth of top, 12 inches. Width 40 inches. Fitted with all metal sanitary removable sliding flour bin, shelf compartment, swinging glass sugar bin seven glass jars, one snowy white hard enameled interior, one large door on flour bin compartment, two small doors on shelf compartment, doors have fancy mahogany finish panel in tops, drop roll curtain over lower compartment, all trim sliding top. Width, 40½ inches. Depth of base, 28 inches. On large partitioned drawer, two linen drawers and one metal cake and bread drawer with sliding top, sliding cutting board, large cupboard with sliding wire shelf, wire pan rack on door, towel rack on side. All corners fitted with rounded corner dust blocks. Castered. Shipping weight, about 240 lbs.

No. 72 Each $73.35

No 52 Each $86.70

Height, 71 inches. Depth of top, 12 inches. Width, 40 inches. Fitted with all metal sanitary removable sliding flour bin, pastry compartment over flour bin, shelf compartment swinging glass sugar bin and seven glass jars. Flour bin compartment has large door, two small doors on shelf compartment, fancy panels in tops of door, sliding white porcelain top. Width, 40½ inches. One partitioned drawer, two linen drawers, one metal cake and bread drawer with sliding cutting board, large cupboard with sliding wire shelf, wire pan rack on door, towel bar on side, all corners fitted with rounded dust corner blocks. Castered. Shipping weight, about 200 lbs.

No. 52 Each $86.70

Same as above, white enameled all over.

No. 52E Each $84.35

Open

Closed

Special. No. 152EOA Each $65.40

Height, 74½ inches. Depth of top, 19 inches. Removable, tilting metal flour bin with wooden front, large shelf compartment swinging glass sugar bin, seven glass jars, door on lower compartment of flour bin, two doors on shelf compartment, top of flour bin and two doors on shelf compartment finished with mahogany finish panels, lower compartment fitted with mahogany finish drop roll curtain, sliding metal top. Width 40½ inches. Depth of base, 28 inches. Sliding cutting board, two linen drawers on metal case and bread drawer with sliding metal top, large cupboard with wire shelf, wire pan rack on door, towel bar on side, snowy white enamel all over. Castered. All corners fitted with rounded dust blocks. Shipping weight, about 185 lbs.

No. 152E Each . $65.40

Same as above, with white porcelain sliding top.
No. 152EP Each $76.50

Same as above, golden oak, white enamel interior in top, brown porcelain sliding top on base.
No. 152EO Each . $68.30

Same as above, golden oak, white enamel interior in top, metal sliding top on base.
No. 152 Each $58.75

Open

Closed

No. 12EOAP Each $102.35

Height 71 inches. Width of top, 40 inches. Depth of top, 12 inches. Fitted with all metal sanitary tilting flour bin, pastry compartment, flour bin large shelf compartment swinging glass sugar bin and seven glass jars, one large door on flour bin compartment, two doors on shelf compartment, mahogany finish drop roll curtain on lower compartment, one white porcelain sliding top on base. Width 40½ inches. Depth, 28 inches. Large partitioned drawer sliding cutting board, two linen drawers, all metal cake and bread drawer with sliding metal top, mahogany finished handles on drawers. Large cupboard with wire shelf, wire pan rack on door, towel bar on side, snowy white hard wash able enamel all over. Castered. All corners fitted with rounded corner dust blocks. Shipping weight about 210 lbs.

No. 12EOAP Each . $102.35

Same as above, golden oak, white enamel interior in top, brown porcelain top on base.
No. 12P Each $94.35

Same as above, golden oak, white enamel interior in top, aluminum top on base.
No. 12 Each. . $82.90

Fine High Grade Kitchen Tables

A New Line of Tables that Makes for Convenience in the Kitchen

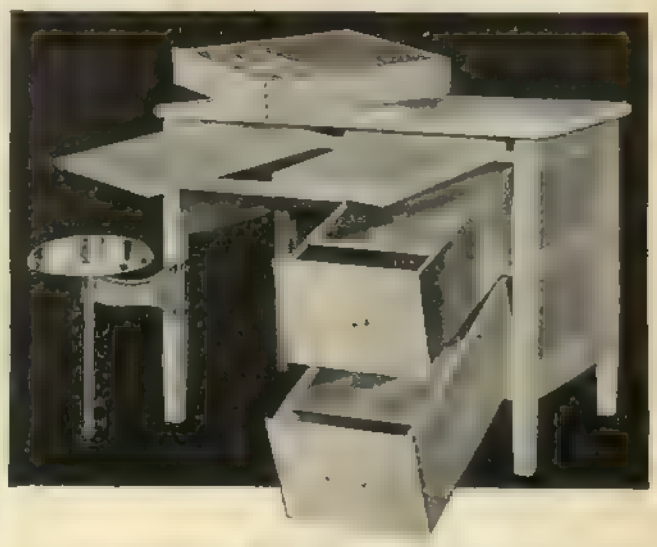
PRICES EACH, F. O. B. OUR INDIANA FACTORY

Made throughout of selected hard maple drawer dovetailed, 3-ply bottom, piece pan white enameled finished with three coats of the best white enamel, 1 inch maple top, size 27x42 inches, 2½-inch tapered legs; weight, crated, about 95 pounds.

No. 232 Each.....$15.15

Same as above, with 27x40-inch porcelain enameled top

No. 232P Each.....$26.40

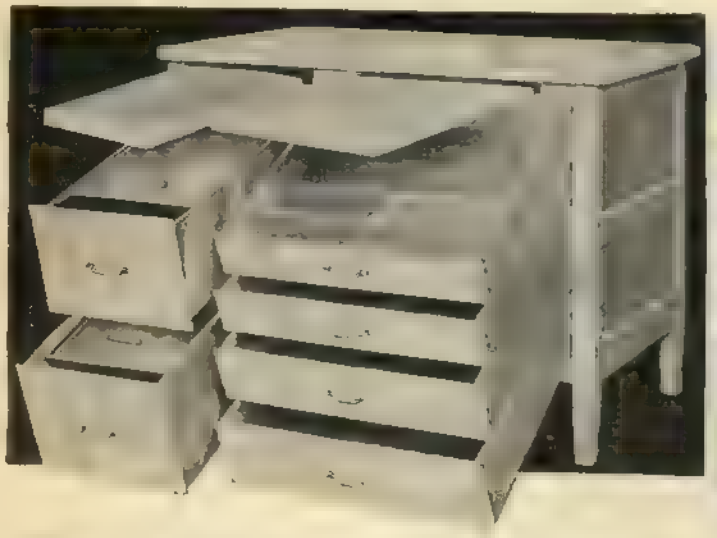


Made throughout of selected hard maple white enameled finished with three coats of the best white enamel, all drawers dovetailed construction, 3-ply maple bottoms one partition utensil drawer size 7x19x19 inches, one metal bread and cake drawer with sliding top and maple front, inside dimensions 8x11x19 inches, four bin drawer with sliding metal top inside dimensions 8½x11x19 inches, sides on roller bearings sliding kneading board, ¾ inch thick, size 15x20 inches, hinged sliding chopping block, 1¼ inches thick, size 12x17 inches, 1¾-inch tapered legs, fitted with revolving swing seat on bracket diameter of seat 17 inches, all trimmings polished nickel, 1⅜ inch maple top, size 27x42 inches, shipping weight, about 150 pounds.

No. 252 Each.....$47.10

Same as above, with 27x40-inch porcelain enameled top

No. 252P Each.....$58.40

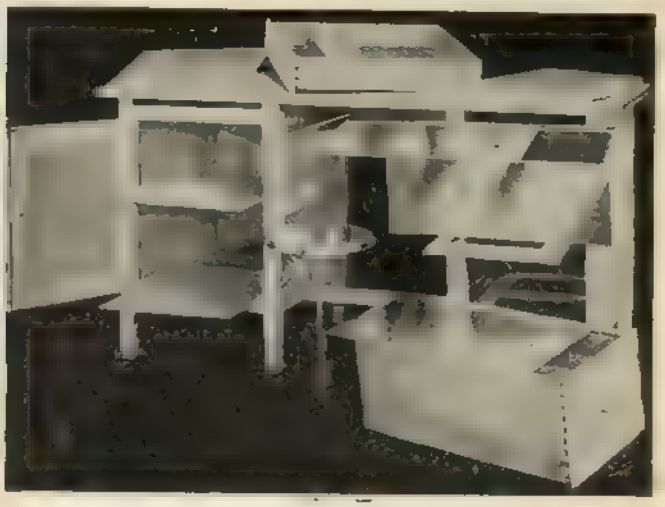


Made throughout of selected hard maple, white enamel finished with three coats of the best white enamel, all drawers dovetailed, 3-ply maple bottoms, one partition utensil drawer, size 3x7x19 inches, three linen drawers, 3 sizes, 7 inches deep, one metal bread and cake drawer with sliding metal top, inside dimensions 8x11x19 inches, one flour bin drawer with sliding metal top, inside dimensions 8½x11x19 inches, sides on roller bearings, one kneading board, ⅝ inch thick, size 15x20 inches, one sliding chopping block, 1¼ inches thick, size 12x17 inches, ¾ inch tapered legs, all trimmings polished nickel; 1⅜ inch maple top, size 27x42 inches; shipping weight, about 160 pounds.

No. 242 Each.....$49.00

Same as above, with porcelain enameled top, size 27x40 inches

No. 242P Each.....$60.30



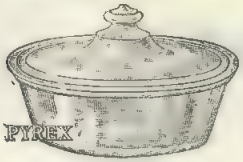
Made throughout of selected hard maple white enameled finished with three coats of the best white enamel, all drawers dovetailed; 3-ply maple bottoms, one partition utensil drawer size 7x19x19 inches; one metal bread and cake drawer with sliding metal maple front, inside dimensions 8x11x19 inches, four bin drawer, sliding metal top, inside dimensions 8½x11x21 inches, sides on roller bearings, large cupboard, inside dimensions 17x19x22 inches with 3-ply maple sliding shelf and hooks for pot rack on door, one sliding kneading board, ¾-inch thick, size 17x20 inches, one sliding chopping block 1¼ inches thick, size 12x16 inches, swinging revolving seat on bracket diameter of seat 17 inches, bracket and rod brushed nickel; all other trimmings polished nickel, 1¾ inch tapered legs, hea[vy] feet, 1⅜-inch maple top, size 27x56 inches, shipping weight, about 250 pounds.

No. 262 Each.....$65.90

PYREX TRANSPARENT OVEN WARE

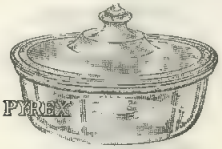
Clear, transparent, amber-colored glassware. Surface is hard, polished; will not scratch, chip, bend or dent. Fills every requirement of baking ware and table ware—serviceable, beautiful and durable. Absolutely guaranteed against oven breakage.

CASSEROLES



NOS. 100 TO 104—ROUND

No.	Capacity	Wt. per doz.	Per doz
100	2½ qt	51 lbs.	$27.00
101	2 qt.	41 lbs	24.00
102	1½ qt	37 lbs	21.00
103	1 qt	28 lbs	18.00
104	½ qt	16 lbs	12.00



No. 112—ROUND, SHALLOW

No.	Capacity	Wt. per doz.	Per doz
112	1 qt.	29 lbs.	$18.00

NOS. 167 AND 168

Fits all standard mountings.

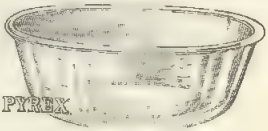
No.	Capacity	Wt. per doz.	Per doz.
167	1 qt.	28 lbs.	$18.00
168	1½ qt.	39 lbs	21.00

NOS. 193 AND 194—OVAL

Fits all standard mountings

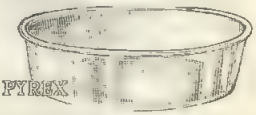
No.	Capacity	Wt. per doz	Per doz.
193	1 qt.	30 lbs.	$18.00
194	2 qt.	40 lbs.	24.00

PUDDING OR BAKING DISHES



NOS. 120 TO 124—ROUND

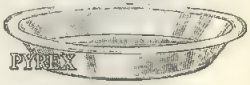
No.	Capacity	Wt. per doz.	Per doz
120	2½ qt.	32 lbs.	$16.20
121	2 qt.	24 lbs.	14.40
122	1½ qt.	21 lbs.	12.00
123	1 qt.	17 lbs.	9.60
124	½ qt.	10 lbs.	7.20



NOS. 132 AND 155—ROUND—SHALLOW

No.	Capacity	Wt. per doz.	Per doz.
132	1 pt.	17 lbs.	$ 9.60
155	1½ qt.	21 lbs.	12.00

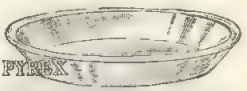
BAKING DISHES



NOS. 400 TO 403—OVAL

No.	Capacity	Wt. per doz.	Per doz.
400	9 oz.	6 lbs.	$4.80
401	10 oz.	7 lbs.	5.40
402	12½ oz.	9 lbs.	6.00
403	18½ oz.	12 lbs.	7.20

PIE PLATES



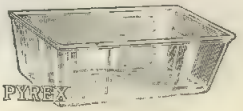
No. 201—ROUND, WIDE FLANGE

No.	Capacity	Wt. per doz.	Per doz.
201	8½ in.	20 lbs.	$10.20

NOS. 202 AND 203—ROUND

No.	Size	Wt. per doz	Per doz
202	8 in.	16 lbs.	$ 9.00
203	9 in.	20 lbs.	10.20

BREAD PAN



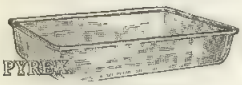
No. 212—OBLONG

No.	Size	Wt. per doz.	Per doz
212	8½x4½x2¾ in.	23 lbs.	$10.20

PYREX TRANSPARENT OVEN WARE

Clear, transparent, amber-colored glassware. Surface is hard, polished; will not scratch, chip, bend or dent. Fills every requirement of baking ware and table ware—serviceable, beautiful and durable. Absolutely guaranteed against oven breakage.

UTILITY PAN



No. 231—OBLONG

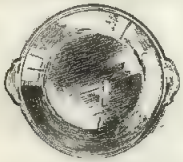
No.	Size	Wt. per doz.	Per doz.
231	10x6x1¾ in.	27 lbs.	$12.00

CAKE DISH

No. 221—ROUND

No.	Size	Wt. per doz.	Per doz.
221	8½x1 in.	20 lbs.	$9.00

SHIRRED EGG DISHES



NOS. 301 AND 302—ROUND, WITH HANDLES

No.	Size	Wt. per doz.	Per doz.
301	7 in.	14 lbs.	$9.00
302	5½ in.	8 lbs.	6.60

AU GRATIN DISH

No. 322—OVAL, WITH HANDLES

No.	Size	Wt. per doz.	Per doz.
322	8x6 in.	14 lbs.	$9.60

CUSTARD CUPS

NOS. 422 AND 423—ROUND

No. 427—OVAL

No.	Capacity	Wt. per doz.	Per doz.
422	6 oz.	5 lbs.	$3.00
423	4 oz.	3 lbs.	2.40
427	5 oz.	5½ lbs.	$3.60

RAMEKIN

No. 432—ROUND

No. 442—ROUND, WIDE FLANGE

No.	Capacity	Wt. per doz.	Per doz.
432	3½ oz.	3 lbs.	$1.80
442	4 oz.	4 lbs.	$2.40

COCOTTES

NOS. 453 AND 465—ROUND

No.	Capacity	Wt. per doz.	Per doz.
453	8 oz.	5½ lbs.	$3.60
455	12 oz.	7½ lbs.	4.80

PETITE MARMITE

No. 502—ROUND

No	Capacity	Wt. per doz.	Per doz.
502	1 pt.	14 lbs.	$12.00

MUSHROOM DISHES

NOS. 642 AND 645

Round, with handles and bell cover.

No.	Size	Wt. per doz.	Per doz.
642	5⅛ in.	19 lbs.	$12.60
645	7 in.	29 lbs.	16.20

BELL COVERS ONLY—ROUND

No.	Size	Wt. per doz.	Per doz.
652	4 in.	9 lbs. No Stock	$6.00
653	5 in.	10 lbs. No Stock	7.20

PERCOLATOR TOPS

No. 953

No. 954

Pyrex style, fluted. Bottom outside diameter 2⅛ in.; height 1⅛ in.

No.	Wt. per doz.	Per doz.
953	2 lbs.	$1.44

Fits "Universal" and "Royal Rochester" percolators

Round knob. Bottom outside diameter 2⅛ in.; height 2⅛ in.

No.	Wt. per doz	Per doz.
954	2½ lbs.	$1.80

Fits "Universal" and "Royal Rochester" percolators.

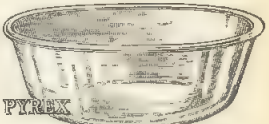
PYREX TRANSPARENT OVEN WARE

40-PIECE STOCK

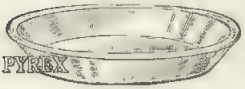
It includes 36 pieces selling at $1.00 or less and 4 of the most popular dishes—which fit standard metal mountings.

CASSEROLES—ROUND
One only—1 qt.
One only—1½ qt.

CASSEROLES—OVAL
One only, 1 qt.—One only, 2 qt.



PUDDING OR BAKING DISHES
One only—1 qt.

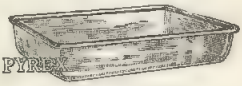


CAKE DISH—ROUND
Two only—8½x1 in.

CUSTARD CUPS—ROUND
Twelve only—4 oz.

OVAL BAKING DISH
Three only—18⅛ oz.

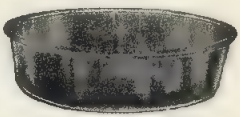
PIE PLATE
ROUND—WIDE FLANGE
Three only—8⅛ in.



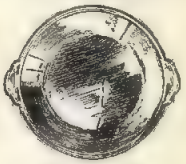
UTILITY PAN
Two—10x6x1¾ in.

BREAD PAN—OBLONG
Six only—8½x4½x2¾ in.

OVAL DISH—WITH HANDLES
Three only—8x6 in.



PUDDING OR BAKING DISHES
ROUND—SHALLOW
One only—1½ qt.



SHIRRED EGG DISH
Three only—7 in.

Quantity	Trade No.	Description		
3	403	Oval baking dish	$ 7.20	$1.80
3	301	Shirred egg dish—round, with handles	9.00	2.25
2	221	Cake dish—round	9.00	1.50
3	322	Au gratin dish—oval with handles	9.60	2.40
1	123	Pudding or baking dish—round	9.60	.80
3	201	Pie plate—round—wide flange	10.20	2.55
6	212	Bread pan—oblong	10.20	5.10
1	155	Pudding or baking dish—round—shallow	12.00	1.00
2	231	Utility pan—oblong	12.00	2.00
12	423	Custard cups—round—two sets of 6 each	2.40	2.40
1	167	Casserole—round—fits standard mountings	18.00	1.50
1	168	Casserole—round—fits standard mountings	21.00	1.75
1	193	Casserole—Oval—fits standard mountings	18.00	1.50
1	194	Casserole—Oval—fits standard mountings	24.00	2.00
40 pieces			List price	$28.55
		Pyrex 40-Piece Stock	List	$28.55

PYREX GIFT SET

NO. 1216

For weddings, anniversaries, prizes, birthdays, showers—in fact, any time when a gift of distinction is desired. Packed in a specially attractive box.

EACH SET CONTAINS

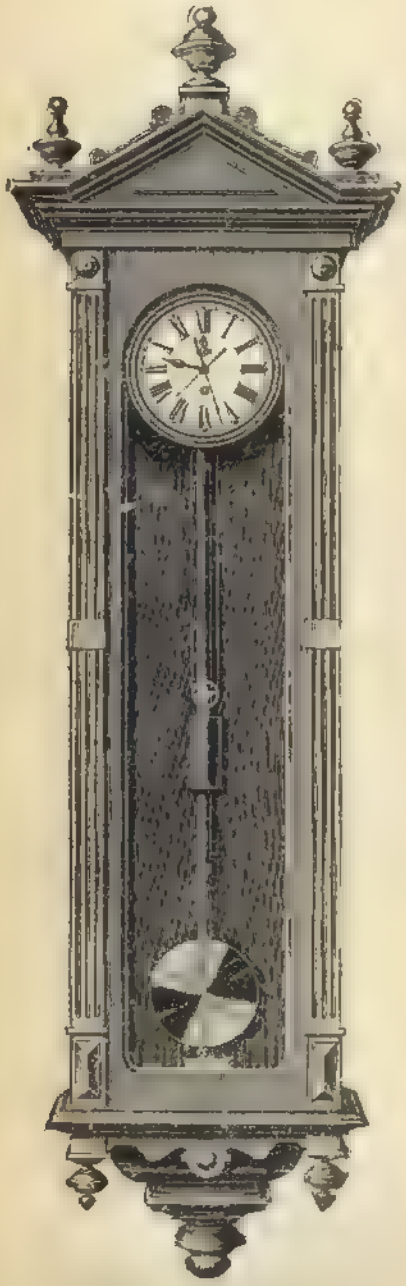
1 ½ qt. casserole.
1 No. 322 au gratin dish.
1 No. 212 bread pan
1 No. 202 8 in. pie plate.
1 No. 301 shirred egg dish
6 No. 432 ramekins.

11 pieces — Per set $5.00
List
Pyrex Gift Set $5.00

Fine Imported Regulators

1863 1917

Prices Each



WATCHMAKER REGULATOR

No. 1833 ..... $183.35

Walnut Case, Mahogany Finish, Light or Dark Oak

Height 78 inches. Width 27 inches.
Silver plated dial, 12 inches.
Sweep second.
Highest quality movement made.
Solid plates. Steel cut pinions.
Compensating gridiron pendulum.
Graham dead beat escapement maintaining power.

REGULATOR

No. 3236 Adolph $47.65
(8 Movement)

Dull Finished Oak Case

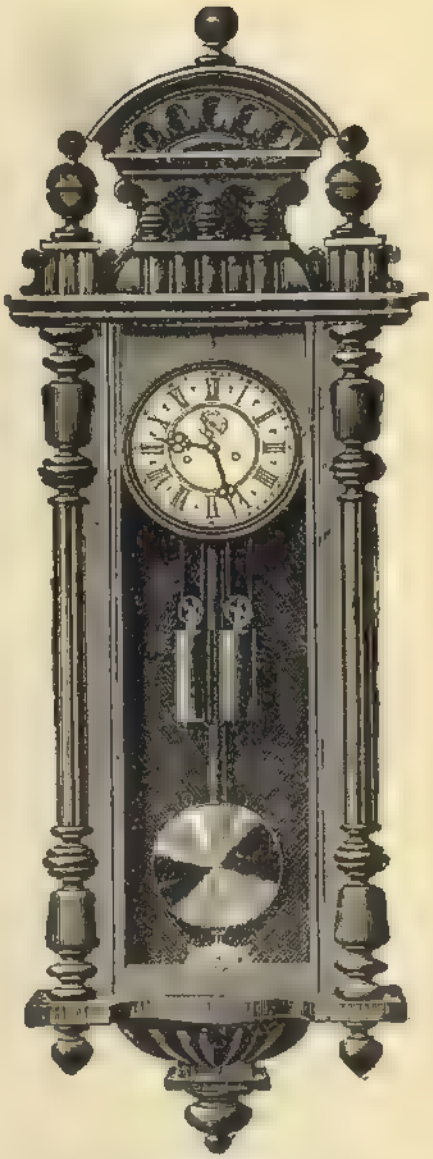
Height 31 inches. Width 13 inches.
7-inch silver dial.
Fourteen-day. Half-hour strike on gong.

REGULATOR

No. 566 Boston .....
(8 Movement)

Polished Walnut Case

Height 35 inches. Width 14 inches.
6-inch porcelain dial.
Fourteen-day. Half-hour strike on gong.



REGULATOR

No. 1726 ..... $36.65
(8 Movement)

Polished Walnut Case

Height 51½ inches. Width 19 inches.
Porcelain dial, 8 inches.
Eight-day. Half-hour strike gong.
Weight movement.

G.W. HUNTLEY & CO. CHICAGO

Fine Imported Mahogany and Walnut Case Regulators

1863 1917

Prices Each

ANDREW

No. 3172 . . . . . $44.00

Regulator (F Movement)

Walnut Case

Height 31 inches. Width 12 inches.

7-inch silver dial

Fourteen-day. Half-hour strike on gong.

BOSNIA

No. 3004 . . . . . $37.50

Regulator (F Movement).

Polished Walnut Case

Height 40 inches. Width 16 inches.

6-inch porcelain dial

Fourteen-day. Half-hour strike on gong.

ARMIN

No. 3133 . . . . . $45.85

Regulator (B Movement).

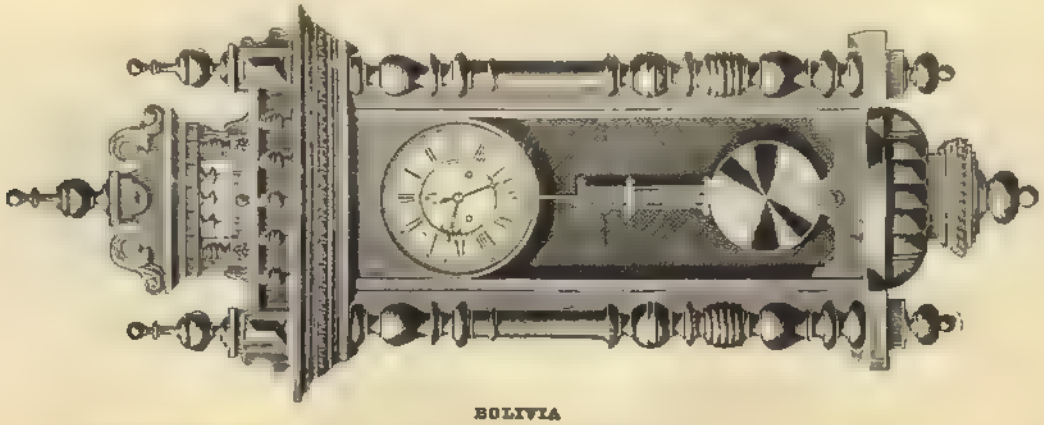
Mahogany Case

Height 32 inches. Width 15 inches.

7-inch silver dial

Beveled glass in brass setting

Fourteen-day. Half-hour strike on gong.



BOLIVIA

No. 1360 . . . . . $55.00

Regulator (B Movement).

Polished walnut case. Height 53 inches. Width 19 inches. 7-inch porcelain dial. Fourteen-day. Half-hour strike on gong.

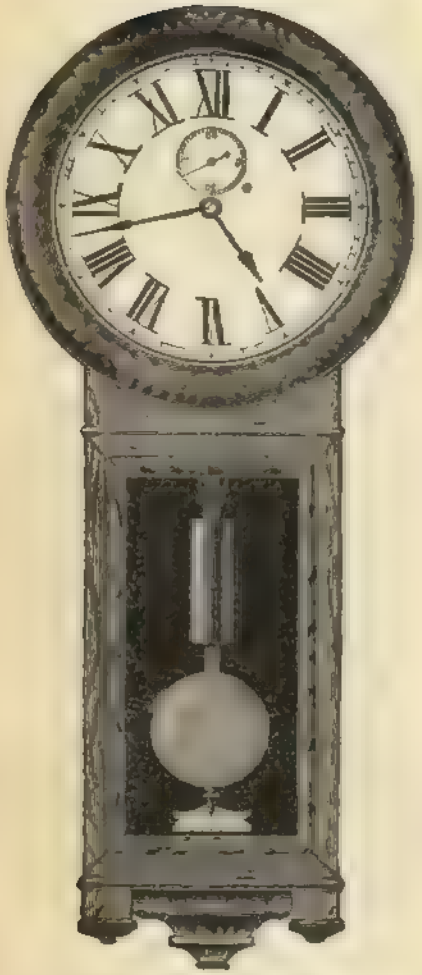
G.W. HUNTLEY © CHICAGO

Regulators

Made by the Seth Thomas Clock Co.

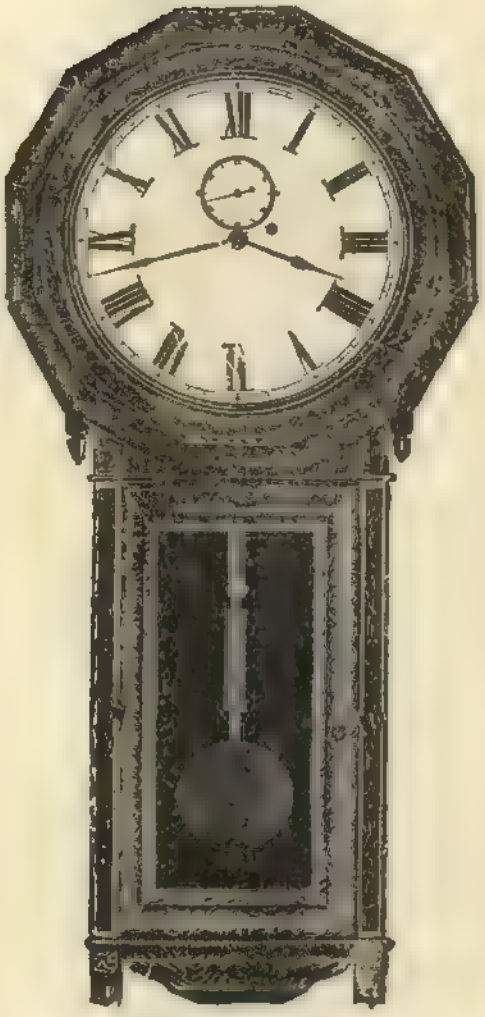
Prices Each

1863 1917



REGULATOR No. 2—$53.35

A standard small Regulator for railroads, schools [illegible] etc. Mahogany & [illegible] oak, hair polished [illegible] Weight time. 12 inches [illegible] Movement has [illegible] Wood rod, brass-covered zinc ball, eighty beats to the minute. Has maintaining power.

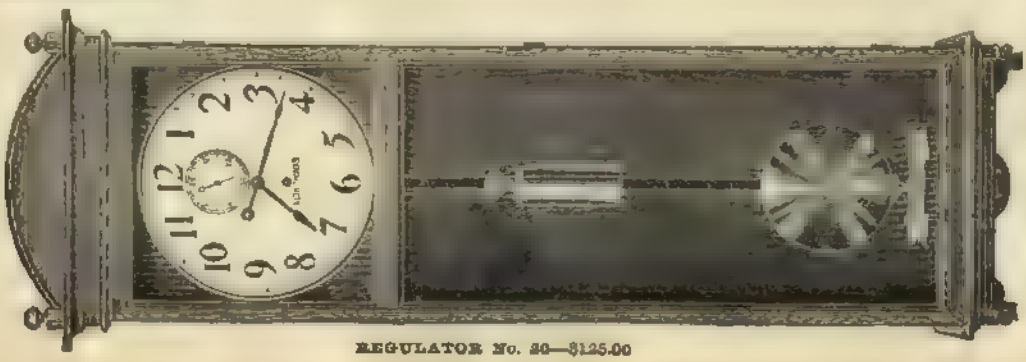


REGULATOR No. 3—$100.00

A standard large dial short regulator for railroads, etc. Mahogany, [illegible] Eight-day. Weight time. [illegible] dial. Height 44 inches. Movement has [illegible] Wood rod and ball. Steel suspension spring. Graham dead-beat escapement, wood rod. Brass-covered zinc ball, eighty beats to the minute. Has maintaining power. An excellent movement.

REGULATOR No. 11—$150.00

Mahogany and golden oak. Eight-day. Weight time. Beats seconds. 12-inch dial. Height 58 inches. Large cut steel pinion movement with polished plates. Wood rod, brass-covered zinc ball. Graham dead-beat escapement and maintaining power. An excellent movement.



REGULATOR No. 20—$125.00

Mahogany and old oak. Eight-day. Weight time. Beats seconds. 14-inch dial. Height 62 inches. Large movement. Wood rod. Brass-covered zinc ball. Graham dead-beat escapement and maintaining power. The round top and two side pieces can be removed if a plain top case is desired.

SHORT & MASON POCKET COMPASSES

No. 2915

Auropole

White metal, nickel plated spring lid case, untarnishable etched, silvered metal dial, hardened and tempered edge bar needle, jewel cap and self-acting stop.

No. **2915.** 1½ inch, weight 2 ounces. .....Each $3 00

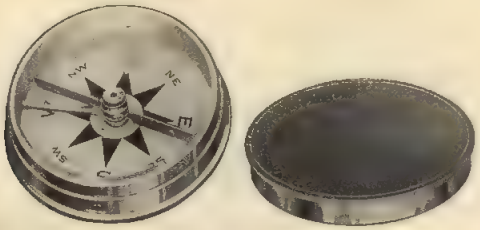
Meradial

White metal, nickel plated spring lid case, untarnishable aluminum floating dial, jewel cap and self-acting stop.

No. **2916.** 1⅛ inch, weight 1⅛ ounces.....Each $3 50

Packed One-half Dozen in a Box.

No. 2916



No. **2908.** 2 inch, gilt brass box, pull-off cover, silvered untarnishable metal dial, tempered edge bar needle, jewel cap and stop; weight 2½ ounces
Each $2 50

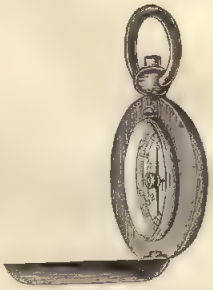
No. **2956.** 3 inch, heavy bronzed brass case, untarnishable silvered metal dial, bar needle, jewel cap with stop; weight 7 ounces ..... Each $10 00

Packed One in a Box

POCKET COMPASSES

No. 200

No. 300—Jeweled Needle



No. 400—Jeweled Needle

No. **200.**	1¾ inch, brass case, open face, silvered metal dial, needle stop	Each	$0 75
No. **300.**	1¾ inch, brass case, open face, silvered metal dial, needle stop	Each	1 25
No. **400.**	1⅝ inch, nickel plated, spring hunting case, silvered metal dial, metal stop	Each	1 25

One-half Dozen in a Box

No. 500

No. 600

No. **500.**	1⅝ inch, nickel plated, silvered metal dial, auto stop, jeweled needle	Each	$2 00
No. **600.**	2½ inch, brass case, slip cover, auto stop, jeweled needle .	Each	2 00

One-half Dozen in a Box.

No. 182

MARBLES HANDY COMPASSES

Waterproof screw case, agate bearings, bracket is made like a double safety pin and fastens securely to coat, vest or belt.

No. **182.**	Stationary dial .. .	Each	$1 25
No. **082.**	Revolving dial	Each	1 25

One-half Dozen in a Box

No. 082

LEEDAWL POCKET COMPASSES

No. 2910—Full Size.

No. 2910. Leedawl, 1⅝ inch, untarnishable white metal case, water tight, untarnishable silvered metal dial, hardened and tempered steel point, cupped jewel bearing, beveled crystal glass, strong screw stop; weight per dozen 14½ ounces ..... Each $1 25

Packed One in a Box—Twelve in a Display Package

MAGNAPOLE POCKET COMPASSES

No. 2911—Full Size.

No. 2911. Magnapole, 1⅝ inch, untarnishable white metal, water tight case, enamel metal dial, bar needle, jeweled center, very sensitive, beveled crystal glass, snapped-in strong screw stop; weight per dozen 20 ounces..... Each $1 50

Packed One in a Box—Twelve in a Display Package

Announcement of

To Motor Truck Dealers

Those Now Selling Motor Trucks

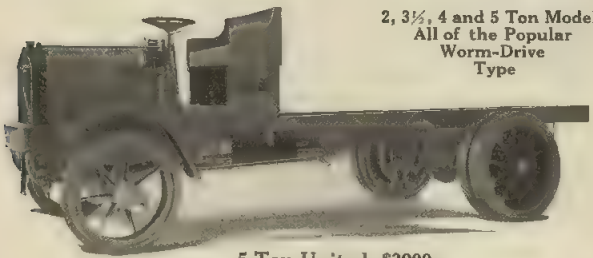
You, perhaps, have been waiting for just this opportunity to secure the selling rights of a representative line of motor trucks—a line already a success and back of which there is an established and progressive organization. This, then, is your opportunity.

Beginning this month the output of UNITED trucks is being practically doubled, enabling us to supply territory which we have hitherto been forced to neglect. Your opportunity to secure an exceedingly valuable sales franchise is obvious.

The UNITED line includes 2, 3½, 4 and 5 ton models—all of which are of the popular worm-drive type. UNITED trucks are built to stand up and give continuous service in spite of the overloads which are so often imposed.

A study of the specifications will convince you that its independence of competition, and ready salability have created a rare business opportunity for a number of live, money-making dealers.

UNITED



2, 3½, 4 and 5 Ton Models All of the Popular Worm-Drive Type

5 Ton United, $3900

an Opportunity

To Prospective Motor Truck Dealers

Those Who Expect to Sell Motor Trucks

To you who contemplate entering the Motor Truck Selling Field on a substantial basis, this announcement is most opportune. It affords you the certainty of starting out with everything in your favor.

It offers you an established line, the salability of which is proven by this increase of our output—it offers a connection with a manufacturing organization which is thoroughly established, experienced and able to assist you materially.

Also, we can help our dealers arrange to finance purchasers of UNITED trucks by the time-payment plan. You can readily appreciate the great advantage of this sales help—it makes sales that otherwise could not be made.

Whether you are selling motor trucks today or considering entering this field, it will be to your advantage to get complete information relative to the UNITED line and our new sales proposition. ***Real*** opportunities do not last long—better wire us ***now*** for our proposition and an option on your territory.

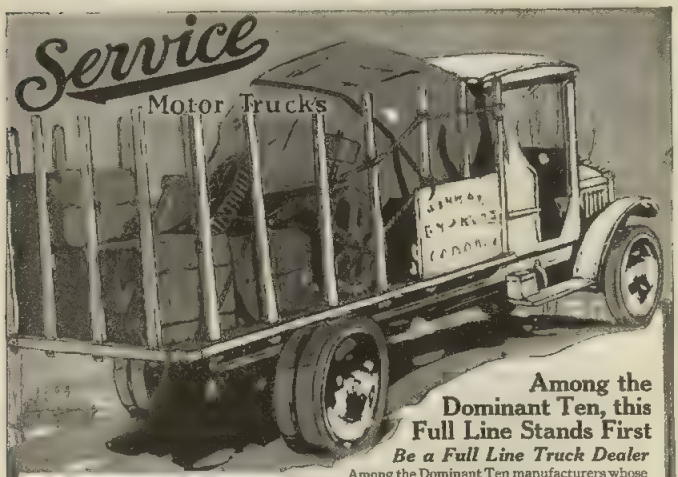
TRUCKS

Manufactured by the

United Motors Co.

Grand Rapids, Mich.

3½ Ton United, $2900



Among the Dominant Ten, this Full Line Stands First

Be a Full Line Truck Dealer

Among the Dominant Ten manufacturers whose product controls the field, SERVICE stands first as the full line manufacturer whose models show highly individualized design in each truck built.

Six big models, each as individual in its construction as though it were the sole product of the SERVICE factory, give you a truck for every demand.

In the highly specialized 3½ ton contractor's model is the most carefully developed specialized motor truck in the industry.

SERVICE Dealers Make Big Profits

67% of SERVICE motor truck sales during the past twelve months were re-orders. This tremendous evidence of owner satisfaction is the reason why SERVICE dealers make big profits.

The first SERVICE truck in every case becomes a basis for subsequent fleet orders. Business already developed builds more business while you are out opening new fields.

This is the only profitable basis on which you can hope to work.

Special Body Building Plant —for You

With the six highly individual models, each a specialized product SERVICE also offers you a tremendous body building department. With your order for motor truck equipment go certain forspecial bodies 25 per cent of the total cost of a motor truck ready for the road goes into body building. We will build to bodies for you to sell to your customers. In 11 we days of fast equipment and increasing orders reaching large totals, a body building department is essential.

Write for the SERVICE Sales Maker

Here is the real essence of SERVICE success—of the 6 weeks of SERVICE dealers. A complete record of SERVICE co-operation and helpful planning that has put every SERVICE dealer make big sales—real profits in his territory. It is the most important dealer book ever offered you.

Write for it today

Service Motor Truck Company
Dept. W 4 Wabash, Indiana

Service Motor Truck Co.
Dept. W 4 Wabash, Ind.
Please send me the SERVICE Sales Maker and full information regarding a SERVICE dealership

Name
Street
Town
State
Territory desired
Trucks on cars now handled

Gents' 18 Size American Watch Movements

All Lever Set Movements quoted on this page are specially adjusted for Railroad Service and will pass time inspection on every railroad in the country. Will fit any regular 18 size stem wind American Case.

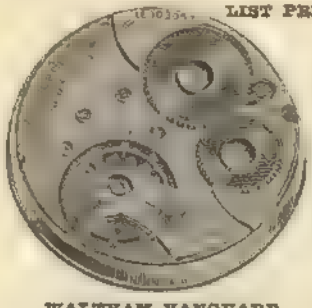
1863 1917

LIST PRICES EACH

ELGIN VERITAS, 23 JEWELS

Nickel, 23 extra fine ruby jewels (raised gold settings); adjusted to temperature, isochronism and five positions; double roller escapement; steel escape wheel, poised pallet and fork, pallet arbor and escape pinion; cone-pivoted and cap-jeweled, compensating balance; Breguet hairspring, micrometric regulator; patent safety barrel with spring box rigidly mounted on bridge; barrel arbor pivots running in jewels; patent recoiling click; patent self-locking setting device; double sunk, glass enamel dial; lever set.

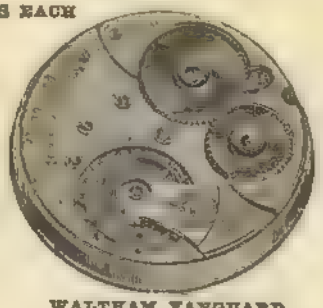
No. 1634 Open face only..$100.00



WALTHAM VANGUARD 23 JEWELS

Nickel, 23 diamond, fine ruby and sapphire jewels, raised gold settings; adjusted to temperature, isochronism and five positions; compensating balance in recess; meantime screws; patent Breguet hairspring, both balance pivots running on diamonds; double roller escapement; sapphire jewel pin permanently driven into the roller; steel escape wheel; patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel; double sunk dial; lever set.

No. 1635 Open face only .$100.00



WALTHAM VANGUARD 21 JEWELS

Nickel, 21 diamond, fine ruby and sapphire jewels, raised gold settings; adjusted to temperature, isochronism and five positions; compensating balance in recess; meantime screws; patent Breguet hairspring; both balance pivots running on diamonds; double roller escapement; sapphire jewel pin permanently driven into the roller; steel escape wheel; patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel; double sunk dial; lever set.

No. 1636 Open face only...$94.15

ELGIN VERITAS, 21 JEWELS

Nickel, 21 diamond, ruby and sapphire jewels (gold settings), adjusted to temperature, isochronism and five positions; double roller escapement with steel escape wheel, pallet arbor, cone-pivoted and cap-jeweled, escape pivot cone-pivoted and cap-jeweled; compensating balance; pivots running on diamonds; Breguet hairspring, micrometric regulator; patent recoiling click, and self-locking setting device, safety barrel with spring box rigidly mounted on bridge; double sunk glass enamel dial; lever set.

No. 1637 Open face $94.15
No. 1638 Hunting 94.15

SPRINGFIELD, ILLINOIS BUNN SPECIAL—23 JEWELS

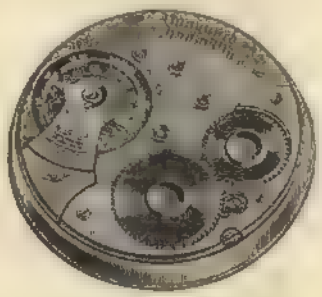
Nickel, 23 extra fine ruby and sapphire jewels, adjusted to temperature, six positions and isochronism, compensation balance with solid gold screws, including timing screws, double roller escapement, friction reducing barrel having two extra quality sapphire oval roller jewel and pallet jewels, perfectly poised fork and pallet, entire escapement cap jeweled, hand finished conical pivots, steel escape wheel, patent micrometric screw regulator, patent safety screw center pinion; Breguet hairspring, double sunk enamel dial with heavy Arabic figures and heavy hands, lever set.

No. 1639 Open face $89.10
No. 1640 Hunting 89.10

HAMPDEN NEW RAILWAY 23 JEWELS

Nickel, 23 fine ruby and sapphire jewels in gold settings, sapphire oval roller jewel and pallet stones, barrel arbor and center staff jeweled with fine sapphires, escapement cap jeweled, conical pivots, patent micrometric regulator, compensating balance with gold screws, steel escape wheel, Breguet hairspring, meantime screws, new model stud, adjusted to temperature, isochronism and five positions, patent center pinion, double sunk glass enameled dial, double roller escapement, lever set.

No. 1641 Open face only...$85.95



[illegible] 19 JEWELS

Nickel, 19 diamond, fine ruby and sapphire jewels, raised gold settings; adjusted to temperature, compensating balance recess; meantime screws; isochronism and five positions; patent Breguet hairspring; both balance pivots running on diamonds; double roller escapement; sapphire jewel pin permanently driven into the roller; steel escape wheel; patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel; double sunk dial; lever set.

No. 1642 Open face only...$86.65

ELGIN, B. W. RAYMOND 21 JEWELS

Nickel, 21 diamond, ruby and sapphire jewels, gold jewel settings; double roller escapement with steel escape wheel; exposed sapphire pallet stones, pallet arbor cone-pivoted and cap-jeweled; escape pinion cone-pivoted and cap jeweled; compensating balance; Breguet hairspring with micrometric regulator; adjusted to temperature, isochronism and five positions; safety barrel with spring box rigidly mounted on bridge; exposed winding wheels patent recoiling click and self locking setting device; dust ring double sunk glass enamel dial, plates beautifully damaskeened and finely finished; engraving inlaid with gold; lever set.

No. 1643 Open face only...$83.85

MINUTE NUMERICAL DIAL NO EXTRA [illegible]

No. 49 DIAL NO EXTRA CHARGE

All Waltham, Elgin, Springfield, Illinois and Hampden high grade movements for railway service, either 18 or 16 sizes, supplied with the MINUTE NUMERICAL or FORTY-NINE dial, as illustrated, without any extra charge.

16-SIZE WALTHAM VANGUARD—23 JEWELS With Winding Indicator

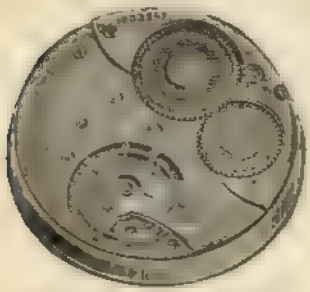
No. 1612 Open face, lever setting.....$113.00

Gents' 18 Size American Watch Movements

Will fit any regular 18 Size Stem Wind American Case. All 18 Size Open Face Movements are specially adjusted for railroad service and will pass time inspection on every railroad in the United States. Guaranteed by the manufacturer against original imperfection in construction. List Prices Each

1863 1917

On this page we quote price of movements only. To determine cost of complete watch, select case in corresponding size from pages preceding movement pages and add the cost of same to cost of movement



WALTHAM CRESCENT STREET
21 JEWELS

Nickel, 21 fine ruby and sapphire jewels; gold settings; adjusted to temperature, isochronism and five positions; compensating balance in recess; meantime screws; patent Breguet hairspring; double roller escapement, sapphire jewel pin permanently driven into the roller; steel escape wheel; patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel; double sunk dial; lever set.

No. 1644 Open face only..$77.50

ELGIN, FATHER TIME,
21 JEWELS

Nickel, 21 diamond, ruby and sapphire jewels (gold settings), adjusted to temperature, isochronism and five positions, double roller escapement with steel escape wheel; pallet arbor cone pivoted and cap jeweled, escape pinion cone pivoted and cap jeweled, compensating balance, pivots running on diamonds; Breguet hairspring, micrometric regulator; patent recoiling click and self-locking setting device; safety barrel with spring box rigidly mounted on bridge, double sunk glass enamel dial, lever setting.

No. 1645 Open face only...$77.50

SPRINGFIELD, ILLINOIS
BUNN SPECIAL—21 JEWELS

Nickel, 21 extra fine ruby and sapphire jewels, gold settings, adjusted to temperature, six positions and isochronism, double roller escapement, perfectly poised fork and pallet, entire escapement cap jeweled, hand-finished conical pivots, compensation balance with solid gold screws including timing screws, polished steel escape wheel, patent micrometric screw regulator, Breguet hairspring, all steel parts highly polished, double sunk enamel dial, heavy Arabic figures and heavy hands, lever set.

No. 1646 Open face $70.35
No. 1647 Hunting 70.35

WALTHAM CRESCENT STREET
19 JEWELS

Nickel, 19 fine ruby and sapphire jewels, gold settings; adjusted to temperature, isochronism and five positions, compensating balance in recess; meantime screws; patent Breguet hairspring; double roller escapement, sapphire jewel pin permanently driven into the roller; steel escape wheel; patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel; double sunk dial, lever set.

No. 1648 Open face $75.00
No. 1649 Hunting 75.00

ELGIN, B. W. RAYMOND,
19 JEWELS

Nickel, 19 diamond, ruby and sapphire jewels (gold settings), adjusted to temperature, isochronism and five positions; double roller escapement with steel escape wheel; compensating balance; pivots running on diamonds, Breguet hairspring; micrometric regulator; barrel arbor pivots running in jewels; safety barrel with spring box rigidly mounted on bridge, patent recoiling click and self-locking setting device, double sunk glass enamel dial, dust ring; damaskeened plates; lever setting

No. 1650 Open face only...$70.00

ELGIN, 21 JEWELS
No. 349, Open Face

Nickel, 21 ruby and sapphire jewels (gold settings), adjusted to temperature, isochronism and five positions; double roller escapement with steel escape wheel, compensating balance, Breguet hairspring, micrometric regulator; patent recoiling click; double sunk glass enamel dial, dust ring, damaskeened plates; cleaned, timed and finely finished throughout.

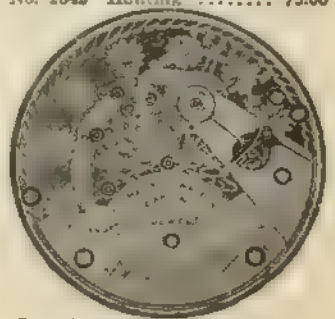
No. 1651 Open face.....$66.65

All Open Face Movements quoted on this page are specially constructed and timed for railroad use.

WALTHAM, 21 JEWELS, No. 845

Nickel, 21 fine ruby and sapphire jewels in settings, adjusted to temperature, isochronism and five positions; compensating balance in recess; mean time screw patent Breguet hairspring, hardened and tempered in form, double roller escapement; sapphire jewel pin permanently driven into the roller, exposed sapphire pallets; steel escape wheel patent micrometric regulator; jeweled main wheel bearings; tempered steel safety barrel double sunk dial; lever set

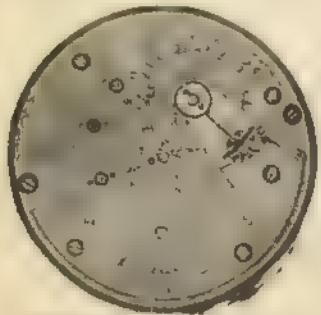
No. 1652 Open face only..$66.65



HAMPDEN, JOHN C. DUNKER,
21 JEWELS

Nickel, 21 extra fine ruby and sapphire jewels in solid gold settings, sapphire pallet stones and oval roller jewel, jeweled center, patent center pinion, bright beveled head screws, steel escape wheel, compensation balance with gold screws and mean time screws, Breguet hairspring, new model stud, micrometric regulator, accurately adjusted to temperature, isochronism and five positions, double sunk glass enameled dial elegantly engraved and damaskeened gold let[illegible] double roller escapement; lever set

No. 1653 Open face only...$60.65



HAMPDEN SPECIAL RAILWAY
21 JEWELS

Nickel, [illegible] ruby and sapphire jewels, gold settings, adjusted to temperature, five positions and isochronism, double roller escapement, steel escape wheel; micrometric regulator; Breguet hairspring, compensation balance with gold screws, accurately adjusted to temperature, isochronism and five positions; double sunk glass enameled dial, beveled head gilt screws, double roller escapement; lever setting.

No. 1654 Open face only..$63.45

ELGIN, B. W. RAYMOND,
17 JEWELS

Nickel, lever set, for railroad service, 17 ruby and sapphire jewels, gold jewel settings, double roller escapement, steel escape wheel, compensating balance, Breguet hairspring, adjusted to temperature, isochronism, five positions, dust ring, double sunk glass enamel dial, finely finished.

No. 1655 Open face only..$63.35

SPRINGFIELD, ILLINOIS
A. LINCOLN—21 JEWELS

Nickel, 21 ruby and sapphire jewels, gold settings, adjusted to temperature, five positions and isochronism, compensation balance having gold screws, including timing screws, double roller escapement, entire escapement [illegible] jeweled and conical pivots, polished steel escape wheel, best quality Breguet hairspring, safety center pinion, patent micrometric screw regulator, double sunk dial, lever set.

No. 1656 Open face $62.00
No. 1657 Hunting 62.00

SPRINGFIELD, ILLINOIS
BUNN—19 JEWELS

Nickel, 19 ruby and sapphire jewels, gold jewel settings, adjusted to temperature, five positions and isochronism, double roller escapement, compensation balance with gold screws, including timing screws, polished, beveled steel escape wheel, micrometric screw regulator, Breguet hairspring, patent safety center pinion, double sunk enamel dial, lever set.

No. 1658 Open face $61.10
No. 1659 Hunting 61.10

BUNN—17 JEWELS

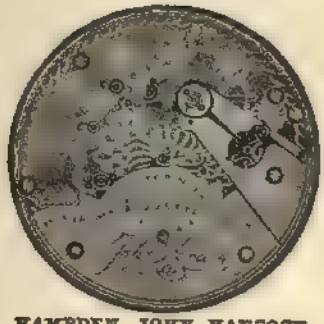
Description as given above.

No. 1660 Open face $55.55

Gents' 18 Size American Watch Movements

Will fit any regular 18 Size Stem Wind American Case. The manufacturers absolutely guarantee their movements against original imperfections in construction. List Prices Each

On this page we quote price of movements only. To determine cost of complete watch, select case in corresponding size from pages preceding movement pages and add the cost of same to cost of movement.



HAMPDEN, JOHN HANCOCK, 21 JEWELS

Nickel, 21 fine ruby and sapphire jewels in solid gold settings, steel escape wheel, micrometric regulator, Breguet hairspring, compensation balance with gold screws, adjusted to temperature, isochronism and five positions, double sunk glass enameled dial, finely damaskeened and double roller escapement, lever setting.

No. 1661 Open face only...$58.85

Specially adapted for railroad service.

HAMPDEN DUEBER WATCH CO.—21 JEWELS

Nickel, 21 fine ruby and sapphire jewels in gold settings, compensation balance, gilt screws, adjusted to temperature, isochronism and five positions, steel escape wheel, Breguet hairspring, patent micrometric regulator, double sunk glass enameled dial, finely damaskeened and finished throughout, gold lettering, double roller escapement, lever setting.

No. 1662 Open face only...$47.15

PAILLARD NON-MAGNETIC 17 JEWEL, ADJUSTED

Nickel, seventeen jewels (settings). Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensation Balance and Breguet Hairspring,** with micrometric regulator. Adjusted to temperature. Dust ring. Depressed center sunk second dial. Plates damaskeened.

No. 1663 Open face, pendant set $60.20

No. 1664 Hunting, lever set 60.20

PAILLARD NON-MAGNETIC 17 JEWELS

Nickel, seventeen jewels (settings). Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensation Balance and Breguet Hairspring,** with micrometric regulator. Dust ring. Depressed center sunk second dial. Plates damaskeened.

No. 1665 Open face, pendant set $51.85

No. 1666 Hunting, lever set 51.85

WALTHAM, APPLETON, TRACY & CO.

Nickel, 17 ruby and sapphire jewels (settings), adjusted to temperature and three positions, compensating balance in recess, meantime screws; Breguet hairspring; double roller escapement; sapphire jewel pin permanently driven into the roller; patent micrometric regulator; tempered steel safety barrel; steel escape wheel, double sunk dial, lever set.

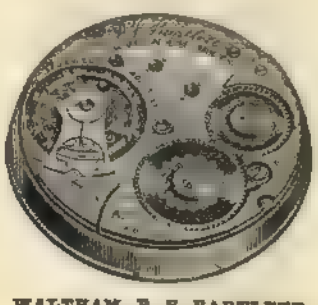
No. 1667 Open face $50.00

ELGIN, G. M. WHEELER 17 JEWELS

Nickel, lever setting, 17 jewels (settings), ruby and sapphire balance and center jewels, adjusted to temperature, isochronism and three positions, double roller escapement with steel escape wheel, compensating balance, Breguet hairspring, with micrometric regulator; double sunk glass enamel dial; patent recoiling click and self-locking setting device.

No. 1668 Open face $45.00

No. 1669 Hunting 45.00



WALTHAM, P. S. BARTLETT, VANGUARD MODEL 17 JEWELS

Gilded and nickeled damaskeened, 17 jewels; in settings adjusted to temperature, compensating balance in recess; meantime screws, patent Breguet hairspring, hardened and tempered in form; exposed pallets; patent micrometric regulator.

No. 1670 Open face, pendant set $35.00

SPRINGFIELD, ILLINOIS No. 69—17 JEWELS

Nickel, 17 jewels, composition settings, adjusted to temperature; compensation balance with timing screws; Breguet hairspring; patent safety center pinion; patent micrometric screw regulator; double sunk dial; handsomely damaskeened in two colors—gilt and nickel; gilt screws and regulator; lever set.

No. 1671 Open face $28.70

No. 1672 Hunting 28.70

WALTHAM, P. S. BARTLETT 17 JEWELS

Nickel, 17 jewels, settings, exposed pallets, compensation balance, meantime screws, adjusted to temperature; patent Breguet hairspring, hardened and tempered in form; patent micrometric regulator.

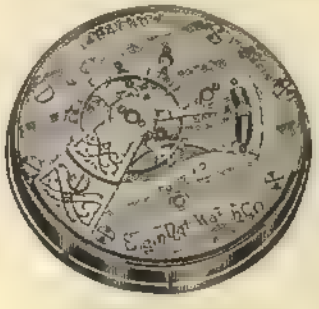
No. 1673 Open face, pendant set $28.35

No. 1674 Hunting, lever set 28.35

WALTHAM No. 87 17 JEWELS

Nickel, 17 jewels, in settings; adjusted to temperature; compensating balance; meantime screws; patent Breguet hairspring, hardened and tempered in form; exposed pallets; patent micrometric regulator.

No. 1675 Open face, pendant set $28.35



ELGIN—17 JEWELS

No. 379. Open face, pendant set.

Nickel, 17 jewels, adjusted, compensating balance, Breguet hairspring, micrometric regulator, exposed pallet stones, depressed center, sunk second dial, dust ring.

No. 1676 Open face $28.35

WALTHAM No. 85—17 JEWELS

Gilded, compensating balance, meantime screws, adjusted to temperature; micrometric regulator, Breguet hairspring, exposed pallets.

No. 1677 Open face, pendant set $35.00

Gents' 18 Size American Watch Movements

1863 1917

Will fit any regular 18 Size Stem Wind American Case. On this page we quote prices of movements only. To determine cost of complete watch, select case in corresponding size from pages preceding movement pages and add the cost of same to cost of movement. LIST PRICES EACH

ROCKFORD, 17 JEWELS

17 ruby and sapphire jewels in settings, adjusted to heat and cold, Breguet hairspring, safety pinion, patent micrometric regulator, compensating balance, sunk second glass enamel dial. Hunting or open face.

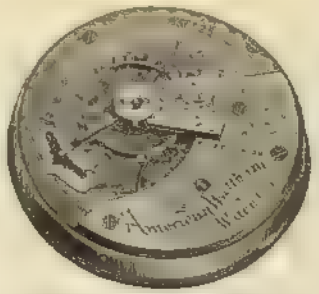
No. 1678 Open face $27.80
No. 1679 Hunting 27.80

ELGIN, 17 JEWELS

No. 336, open face, pendant set. No. 335, Hunting, lever set.

Nickel, 17 jewels (settings), cut expansion balance, Breguet hairspring, micrometric regulator, exposed pallets, depressed center, sunk second dial, dust ring, damaskeened plates.

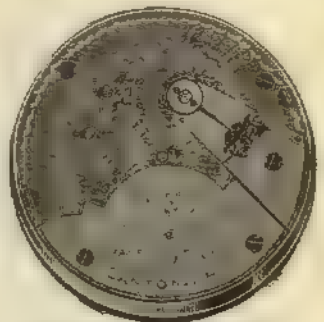
No. 1680 Open face $21.70
No. 1681 Hunting 21.70



WALTHAM No. 825, 17 JEWELS

Nickel, cut expansion balance, meantime screws, patent Breguet hairspring, exposed pallets micrometric oval regulator, gilded index plate.

No. 1682 Open face, pendant set $21.70
No. 1683 Hunting, lever set 21.70



HAMPDEN—17 JEWELS

No. 64 Open Face.

Nickel, 17 jewels in composition settings, patent center pinion, Breguet hairspring, micrometric regulator, expansion balance, meantime screws, elegantly damaskeened, sunk second dial.

No. 1684 Open face, pendant set $19.50

SPRINGFIELD—ILLINOIS

No. 69, 17 Jewels

Nickel, 17 jewels, composition settings, compensation balance with timing screws, best quality Swiss Breguet hairspring, patent safety center pinion, patent micrometric screw regulator, single sunk dial, lever set.

No. 1685 Open face $19.85
No. 1686 Hunting 19.85

ELGIN—15 JEWELS

No. 317 Open Face. No. 316 Hunting.

Nickel, 15 jewels (settings), exposed pallet stones, cut expansion balance, Breguet hairspring, micrometric regulator, sunk second dial, dust ring, damaskeened plate.

No. 1687 Open face, pendant set $18.35
No. 1688 Hunting, lever set 18.35

WALTHAM, No. 820—15 JEWELS

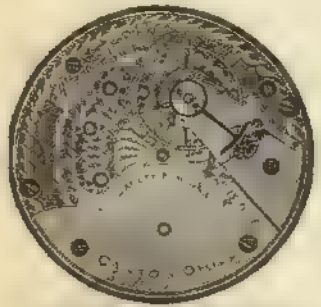
Nickel, cut expansion balance meantime screws, patent micrometric oval regulator, gilded index plate Breguet hairspring exposed pallet stones.

No 1689 Open face, pendant set $18.35
No. 1690 Hunting, lever set 18.35

WALTHAM, No. 81—15 JEWELS

Gilded 15 jewels, in settings, cut expansion balance, meantime screws, Breguet hairspring, exposed pallets.

No. 1691 Open face, pendant set $16.65
No. 1692 Hunting, lever set 16.65



HAMPDEN DUEBER WATCH Co.—15 JEWELS

Nickel, 15 jewels in composition setting, Breguet hairspring, patent regulator, sunk second dial, patent center pinion, elegantly engraved.

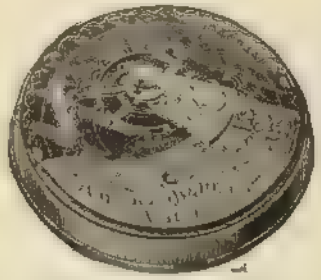
No. 1693 Open face, pendant set $16.50

ELGIN—7 JEWELS

No. 288 Open Face. No. 287 Hunting.

Nickel, 7 jewels, cut expansion balance, Breguet hairspring, sunk second dial, steel index, dust ring, damaskeened plates.

No. 1694 Open face, pendant set $13.35
No. 1695 Hunting, lever set 13.35



WALTHAM, No. 18—7 JEWELS

Nickel, 7 jewels cut expansion balance, gilded index plate, Breguet hairspring, exposed pallets highly finished oval regulator.

No 1696 Open face pendant set $13.35
No. 1697 Hunting, lever set 13.35

HAMPDEN, CHAMPION—7 JEWELS

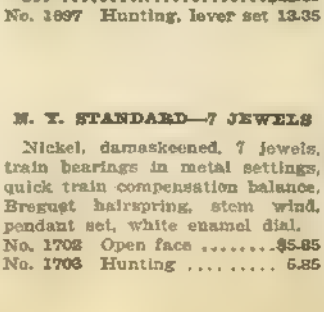
Nickel, 7 jewels, expansion balance, Breguet hairspring, patent center pinion, meantime screws, spade hands sunk second dial

No 1698 Open face, pendant set $12.75
No. 1699 Hunting, lever set 12.75

WALTHAM No. 1—7 JEWELS

Gilded, 7 jewels, settings, exposed pallets, cut expansion balance, patent Breguet hairspring hardened and tempered in form, highly finished oval regulator, polished index plate.

No. 1700 Open face, pendant set $12.05
No. 1701 Hunting, lever set 12.05



M. Y. STANDARD—7 JEWELS

Nickel, damaskeened, 7 jewels, train bearings in metal settings, quick train compensation balance, Breguet hairspring, stem wind, pendant set, white enamel dial.

No. 1702 Open face $5.85
No. 1703 Hunting 5.85

1847 ROGERS BROS. XS TRIPLE

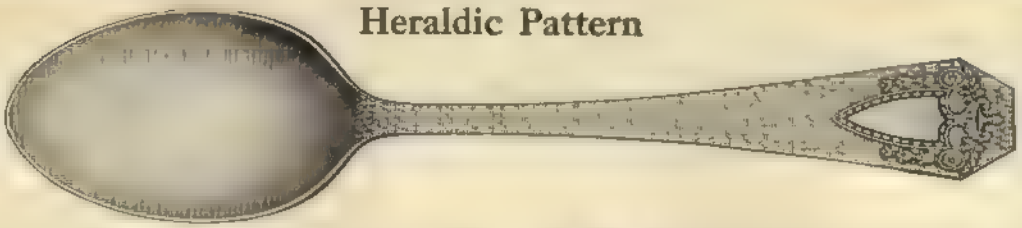
Fine Silver Plated Flatware

Heraldic Pattern

1847 ROGERS BROS. XS TRIPLE

French Gray Finish

Illustration of Teaspoon actual size; balance 2-5 size



Every Piece of 1847 Rogers Bros Ware has back of it an absolute Guarantee. XS Triple and XS Quintuple silver plate on Fine Nickel Silver Base.

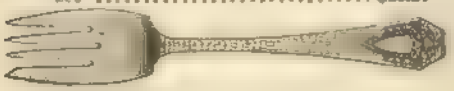
No. C887	Tea spoons XS Triple, dozen	$10.72
No. C888	Tea spoons XS Quintuple, dozen	14.02
No. C889	Dessert spoons XS Triple, dozen	19.17
No. C890	Dessert spoons XS Quintuple dozen	24.80
No. C891	Table spoons XS Triple, dozen	$21.50
No. C892	Table spoons XS Quintuple, dozen	28.10
No. C893	Coffee spoons XS Triple, six in lined box, set	5.37
No. C894	Coffee spoons XS Triple, gilt bowls, six in lined box, set	6.47

BUTTER KNIFE
12 in unlined box.

No. C895	Plain blade, dozen	$23.53
No. C896	Gilt blade, dozen	31.77
	One in fancy lined box.	
No. C897	Plain blade, each	92.20
No. C898	Gilt blade, each	2.90

BUTTER SPREADERS
Six in fancy lined box.

No. C905	Plain handle, plain blade, set	$8.67
No. C906	Hollow handle, plain blade, set	$15.27

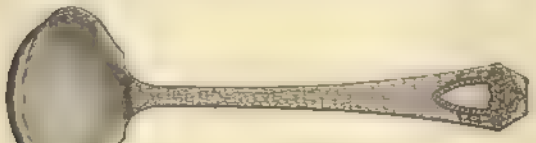


INDIVIDUAL SALAD FORKS
Six in fancy lined box.

No. C909	Plain tines, set	$10.77

LONG PICKLE OR OLIVE FORK
One in fancy lined box.

No. C914	Each	$2.07

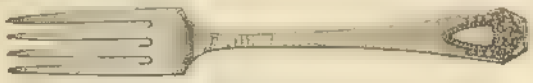


LADLES
One in fancy lined box.

No. C921	Cream, plain bowl, each	$ 2.55
No. C922	Cream, gilt bowl, each	3.58
No. C923	Gravy, plain bowl, each	3.37
No. C924	Gravy, gilt bowl, each	4.88
No. C925	Oyster, plain bowl, each	8.85
No. C926	Oyster, gilt bowl, each	9.50
No. C927	Medium, plain bowl, each	10.50
No. C928	Medium, gilt bowl, each	12.53
No. C929	Punch, hollow handle, each	20.37

COLD MEAT FORK
One in fancy lined box.

No. C932	Plain tines, each	$2.63
No. C933	Gilt tines, each	3.67



SPOON HANDLE FORKS
12 in unlined box.

No. C936	Medium XS Triple, dozen	$21.50
No. C937	Medium XS Quintuple, dozen	28.10
No. C938	Dessert XS Triple, dozen	19.17
No. C939	Dessert XS Quintuple, dozen	24.80

HOLLOW HANDLE FORKS
Six in flannel roll.

No. C944	Medium size, dozen	$34.77
No. C945	Dessert size, dozen	32.37

NOT SHOWN

BUTTER KNIFE AND SUGAR SHELL SET
In fancy lined box.

No. C899	Plain bowl and blade set	$4.07
No. C900	Gilt bowl and plain blade, set	4.80

SUGAR TONGS
One in fancy lined box.

No. C907	Each	$2.37

ORANGE SPOONS
Six in fancy lined box.

No. C910	Plain bowls, set	$ 6.80
No. C911	Gilt bowls, set	10.93

Not Shown
CAKE KNIFE
In fancy lined box.

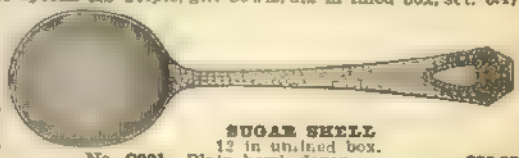
No. C915	Each	$2.83

JELLY SPOON
In fancy lined box.

No. C916	Each	$3.30

CUCUMBER OR TOMATO SERVER
In lined box.

No. C917	Each	$4.54



SUGAR SHELL
12 in unlined box.

No. C901	Plain bowl, dozen	$20.23
No. C902	Gilt bowl dozen	28.47
	One in fancy lined box.	
No. C903	Plain bowl, each	$1.93
No. C904	Gilt bowl each	2.62

OYSTER FORKS
Six in fancy lined box.

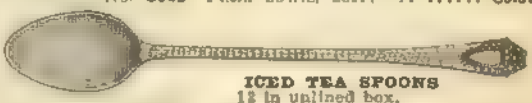
No. C908	Plain tines, set	$7.03

SOUP SPOONS
Six in fancy lined box.

No. C912	Plain bowls, set	$10.67

BOUILLON SPOONS
Six in lined box.

No. C913	Plain bowls, set	$9.50



ICED TEA SPOONS
12 in unlined box.

No. C918	Dozen	$14.87
	Six in fancy lined box.	
No. C920	Set	$8.27

ICE CREAM OR PIE SERVER
One in fancy lined box.

No. C930	Hollow handle, each	$5.67

CHEESE SERVER

No. C931	Hollow handle, each	$2.83

BERRY SPOON
One in fancy lined box.

No. C934	Plain bowl, each	$4.12
No. C935	Gilt bowl, each	5.67

SOLID HANDLE EMBOSSED KNIVES AND FORKS
Six in lined racked box

No. C940	Medium knives, 16 dwt., dozen	$13.70
No. C941	Dessert knives, 12 dwt., dozen	13.30
No. C942	Medium forks, dozen	13.70
No. C943	Dessert forks, dozen	13.30

HOLLOW HANDLE KNIVES
Six in flannel roll

No. C946	Medium size, dozen	$34.77
No. C947	Dessert size, dozen	32.37

For fruit knives to match, see page 474.
For childs and baby set to match, see page 475.

1847 ROGERS BROS. XS TRIPLE

Fine Silver Plated Flatware

1847 ROGERS BROS. XS TRIPLE

Every Piece of 1847 Rogers Bros. Ware has back of it an Absolute Guarantee
XS Triple and XS Quintuple Silver Plate on Fine Nickel Silver Base

CONTINENTAL PATTERN—French Gray Finish

Illustration of Tea Spoon Actual Size. Balance 2-5 Size

For Fruit Knives to match, see Page 474

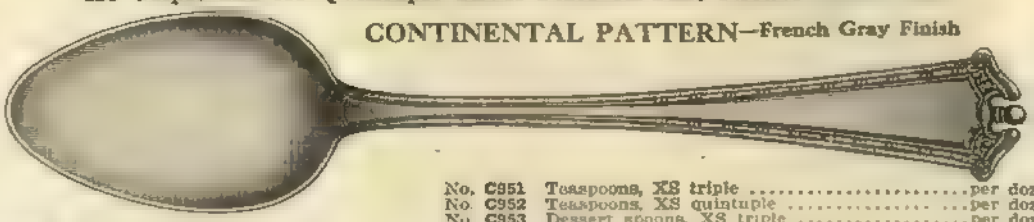


Illustration of Tea Spoon Actual Size. Balance 2-5 Size

For Child's and Baby Sets to match, see Page 475

No. C951	Teaspoons, XS triple	per doz. $10.73
No. C952	Teaspoons, XS quintuple	per doz. 14.02
No. C953	Dessert spoons, XS triple	per doz. 19.17
No. C954	Dessert spoons, XS quintuple	per doz. 24.80
No. C955	Tablespoons, XS triple	per doz. 21.50
No. C956	Tablespoons, XS quintuple	per doz. 28.10
No. C957	Coffee spoons, XS triple. Six in lined box.	per set 5.37
No. C958	Coffee spoons, XS triple, gilt bowls. Six in lined box.	Per set 8.47

BUTTER KNIFE
Twelve in unlined box.

No. C959	Plain blade	per doz. $23.53
No. C960	Gilt blade	per doz. 31.77
	One in fancy lined box.	
No. C961	Plain blade	each 2.30
No. C962	Gilt blade	each 2.90

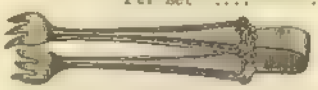
BUTTER SPREADERS
Six in fancy lined box.

No. C969	Flat handles, plain blades. Per set	$ 8.67
No. C970	Hollow handles, plain blades. Per set	15.27

Not Shown

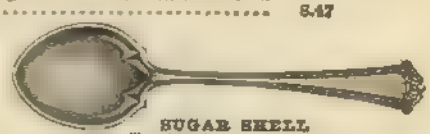
BUTTER KNIFE AND SUGAR SHELL SET
In fancy lined box.

No. C963	Plain bowl and blade	set $4.07
No. C964	Gilt bowl and plain blade	
	Per set	4.80



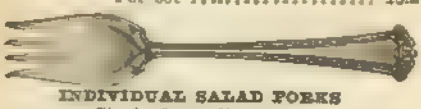
SUGAR TONGS
One in fancy lined box.

No. C971	Each	$3.37



SUGAR SHELL
Twelve in unlined box.

No. C965	Plain bowl	per doz. $20.33
No. C966	Gilt bowl	per doz. 23.47
	One in fancy lined box.	
No. C967	Plain bowl	each 1.93
No. C968	Gilt bowl	each 2.62

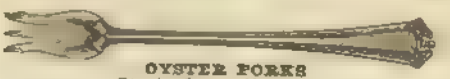


INDIVIDUAL SALAD FORKS
Six in fancy lined box.

No. C973	Plain tines	per set $10.77

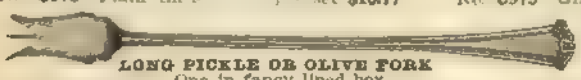
ORANGE SPOONS
Six in fancy lined box.

No. C974	Plain bowls	per set $ 8.80
No. C975	Gilt bowls	per set 10.93



OYSTER FORKS
Six in fancy lined box.

No. C972	Plain tines	per set $7.02



LONG PICKLE OR OLIVE FORK
One in fancy lined box.

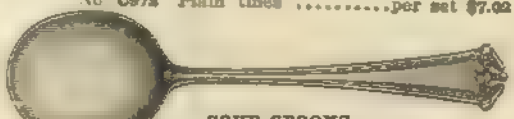
No. C978	Each	$2.07

Not Shown.

No. C979 Cake Fork. In fancy lined box. Each..... $2.83

No. C980 Jelly Spoon. In fancy lined box. Each..... $3.30

No. C981 Cucumber or Tomato Server. In lined box. Each..... $4.54



SOUP SPOONS
Six in fancy lined box.

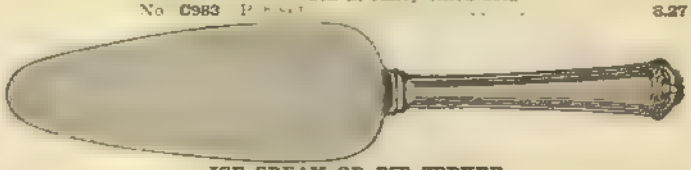
No. C976	Plain bowls	per set $10.67

BOUILLON SPOONS
Six in lined box.

No. C977	Plain bowls	per set $9.50

LADLES
One in fancy lined box.

No. C984	Cream, plain bowl	each $ 2.55
No. C985	Cream, gilt bowl	each 3.58
No. C986	Gravy, plain bowl	each 3.37
No. C987	Gravy, gilt bowl	each 4.88
No. C988	Oyster, plain bowl	each 8.85
No. C989	Oyster, gilt bowl	each 9.50
No. C990	Medium, plain bowl	each 10.50
No. C991	Medium, gilt bowl	each 12.53
No. C992	Punch, hollow handle	each 20.37



ICE CREAM OR PIE SERVER
One in fancy lined box.

No. C993	Hollow handle	each $5.67

CHEESE SERVER

No. C994	Hollow handle	each $2.83

COLD MEAT FORK
One in fancy lined box.

No. C995	Plain tines	each $2.63
No. C996	Gilt tines	each 3.67

BERRY SPOON
One in fancy lined box

No. C997	Plain bowl	each $4.12
No. C998	Gilt bowl	each 5.67

SPOON HANDLED FORKS
Twelve in unlined box.

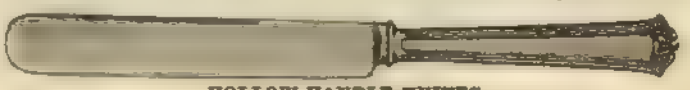
No. C999	Medium, XS triple	per doz. $21.50
No. C1000	Medium, XS quintuple	per doz. 28.10
No. C1001	Dessert, XS triple	per doz. 19.17
No. C1002	Dessert, XS quintuple	per doz. 24.80

SOLID HANDLE EMBOSSED KNIVES AND FORKS
Six in lined racked box.

No. C1003	Medium knives, 15 dwt.	per doz. $13.70
No. C1004	Dessert knives, 12 dwt.	per doz. 13.30
No. C1005	Medium forks	per doz. 13.70
No. C1006	Dessert forks	per doz. 13.30

HOLLOW HANDLE FORKS
Six in flannel roll.

No. C1007	Medium size	per doz. $34.77
No. C1008	Dessert size	per doz. 32.87



HOLLOW HANDLE KNIVES
Six in flannel roll

No. C1009	Medium size	per doz. $34.77
No. C1010	Dessert size	per doz. 32.87

1847 ROGERS BROS. X S TRIPLE

Fine Silver Plated Flatware

1847 ROGERS BROS. X S TRIPLE

EVERY PIECE OF 1847 ROGERS BROS. WARE HAS BACK OF IT AN ABSOLUTE GUARANTEE. X S TRIPLE AND X S QUINTUPLE SILVER PLATED ON FINE NICKEL SILVER BASE.

Old Colony Pattern, French Gray Finish

ILLUSTRATION OF TEASPOON ACTUAL SIZE. BALANCE 2/5 SIZE

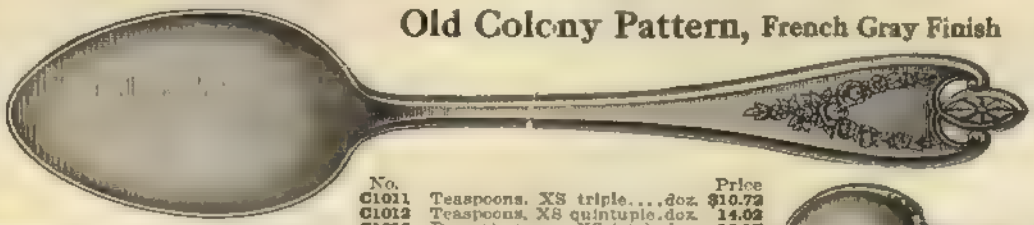


ILLUSTRATION OF TEASPOON ACTUAL SIZE. BALANCE 2/5 SIZE

No.		Price
C1011	Teaspoons, XS triple....doz.	$10.72
C1012	Teaspoons, XS quintuple.doz.	14.02
C1013	Dessert spoons, XS triple.doz.	19.17
C1014	Dessert spoons, XS quintuple ..... doz.	24.80
C1015	Tablespoons, XS triple..doz.	21.50
C1016	Tablespoons, XS quintuple... ..... doz.	28.10
C1017	Coffee spoons, XS triple. Six in lined box .....per set	5.37
C1018	Coffee spoons, XS triple, gilt bowls. Six in lined box ..... per set	8.47

Not Shown

BUTTER KNIFE AND SUGAR SHELL SET
In fancy lined box.

No.		Price
C1023	Plain bowl and blade..per set	$4.07
C1024	Gilt bowl and plain blade ..... per set	4.80

BUTTER KNIFE
Twelve in unlined box.

No. C1019	Plain blade .....per doz.	$23.53
No. C1020	Gilt blade .....per doz.	31.77

One in fancy lined box.

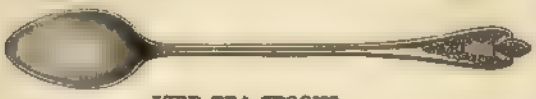
No. C1021	Plain blade .....each	$2.20
No. C1022	Gilt blade .....each	2.90

BUTTER SPREADERS
Six in fancy lined box.

No. C1029	Flat handle, plain blade .....set	$ 8.67
No. C1030	Hollow handles, plain .....set	15.27

INDIVIDUAL SALAD FORKS
Six in fancy lined box.

No. C1033	Plain tines .....per set	$10.77



ICED TEA SPOONS
Twelve in unlined box.

No. C1038	Per dozen $14.87	

Six in fancy lined box.

No. C1039	Per set	8.27

LADLES
One in fancy lined box

No. C1049	Cream, plain bowl, ..each	$ 2.55
No. C1050	Cream, gilt bowl .....each	3.59
No. C1051	Gravy, plain bowl .....each	3.37
No. C1052	Gravy, gilt bowl .....each	4.88
No. C1053	Mayonnaise, plain bowl.each	2.27
No. C1054	Mayonnaise, gilt bowl each	2.98
No. C1055	Oyster, plain bowl ....each	8.85
No. C1056	Oyster, gilt bowl ... each	9.50
No. C1057	Medium, plain bowl ..each	10.50
No. C1058	Medium, gilt bowl each	12.53
No. C1059	Punch, hollow handle .each	20.37

COLD MEAT FORK
One in fancy lined box

No. C1063	Plain tines	each $2.63
No. C1064	Gilt tines	each 3.67

SPOON HANDLE FORKS
Twelve in unlined box.

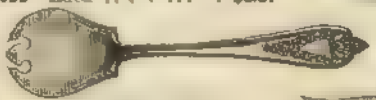
No. C1067	Medium, XS triple	..per doz. $21.50
No. C1068	Medium, XS quintuple	per doz. 28.10
No. C1069	Dessert, XS triple ..	per doz. 19.17
No. C1070	Dessert, XS quintuple	per doz. 24.80

HOLLOW HANDLE FORKS
Six in flannel roll.

No. C1075	Medium size	per doz. $34.77
No. C1076	Dessert size	per doz. 32.67

SUGAR TONGS
One in fancy lined box

No. C1031	Each	$3.37



ICE CREAM FORKS
Six in lined box.

No.		Price
C1034	Plain tines...set	$ 8.50
C1035	Gilt tines ...set	12.58

Not Illustrated.

ORANGE SPOONS
Six in fancy lined box

No.		Price
C1040	Plain bowls .set	$ 6.80
C1041	Gilt bowls .set	10.93

LADLES
One in fancy lined box

No. C1049	Cream, plain bowl, ..each	$ 2.55
No. C1050	Cream, gilt bowl .....each	3.59
No. C1051	Gravy, plain bowl .....each	3.37
No. C1052	Gravy, gilt bowl .....each	4.88
No. C1053	Mayonnaise, plain bowl.each	2.27
No. C1054	Mayonnaise, gilt bowl each	2.98
No. C1055	Oyster, plain bowl ....each	8.85
No. C1056	Oyster, gilt bowl ... each	9.50
No. C1057	Medium, plain bowl ..each	10.50
No. C1058	Medium, gilt bowl each	12.53
No. C1059	Punch, hollow handle .each	20.37

CAKE FORK
One in fancy box.

No. C1042	Each $2.83	

JELLY SPOON
One in fancy lined box.

No. C1043	Each $3.30	

CUCUMBER OR TOMATO SERVER
One in fancy lined box.

No. C1044	Each	$4.54

HOLLOW HANDLE CHEESE SCOOP
One in fancy lined box.

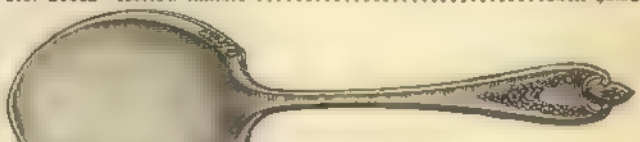
No. C1045	Each	$4.54

ICE CREAM OR PIE SERVER
One in fancy lined box.

No. C1060	Hollow handle ..... each	$5.67
No. C1061	Solid handle .....each	3.57

CHEESE SERVER
One in fancy lined box.

No. C1062	Hollow handle .....each	$2.83



BERRY SPOONS
One in fancy lined box.

No. C1065	Plain bowl .....each	$4.12
No. C1066	Gilt bowl .....each	5.67

SOLID HANDLE EMBOSSED KNIVES AND FORKS
Six in lined racked box.

No. C1071	Medium knives, 16 dwt.. ..... per doz.	$13.70
No. C1072	Dessert knives, 12 dwt .....per doz.	13.30
No. C1073	Medium forks ..... per doz.	13.70
No. C1074	Dessert forks ..... per doz.	13.30

HOLLOW HANDLE KNIVES
Six in flannel roll.

No. C1077	Medium size .....per doz.	$34.77
No. C1078	Dessert size .....per doz.	32.67

FOR FRUIT KNIVES TO MATCH, SEE PAGE 474
FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475

1847 ROGERS BROS. XS TRIPLE

Fine Silver Plated Flatware

Every piece of 1847 Rogers Bros. Ware has back of it an Absolute Guarantee. XS Triple and XS Quintuple Silver Plate on Fine Nickel Silver Base

1847 ROGERS BROS. XS TRIPLE

Cromwell Pattern, Bright Finish

Illustration of Tea Spoon Actual Size. Balance 2-5 Size

Illustration of Tea Spoon Actual Size. Balance 2-5 Size

No.		
C1079	Teaspoons, XS triple....doz.	$10.72
C1080	Teaspoons, XS quintuple .doz.	14.02
C1081	Dessert spoons, XS triple, doz.	19.17
C1082	Dessert spoons, XS quintuple, Per dozen	24.80
C1083	Tablespoons, XS triple doz	21.50
C1084	Tablespoons XS quintuple Per dozen	28.10
C1085	Coffee spoons, XS triple, Six in lined box....per set	5.87
C1086	Coffee spoons, XS triple, gilt bowls Six in lined box set	8.47

Not Shown

BUTTER KNIFE AND SUGAR SHELL SET

In fancy lined box

No. C1091	Plain bowl and blade .set	$4.07
No. C1092	Gilt bowl and plain blade Per set	4.90

BUTTER KNIFE

Twelve in unlined box

No. C1087	Plain blade	per doz	$23.53
No. C1088	Gilt blade	per doz.	31.77

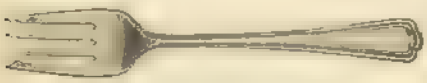
One in fancy lined box.

No. C1089	Plain blade .....each		2.20
No. C1090	Gilt blade .....each		2.90

BUTTER SPREADERS

Six in fancy lined box.

No.		Per set
C1097	Flat handles, plain blades	$ 8.67
C1098	Hollow handles, plain blades	15.27



INDIVIDUAL SALAD FORKS

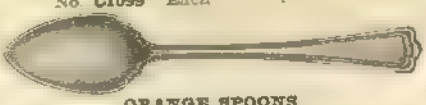
Six in fancy lined box.

No. C1101 Plain tines .....per set $10.77

SUGAR TONGS

One in fancy lined box.

No. C1099 Each $3.37



ORANGE SPOONS

Six in fancy lined box.

No. C1102	Plain bowls .....per set	$	6.80
No. C1103	Gilt bowls .....per set		10.93

Not Shown

No. C1108	Cucumber or tomato serving fork, in fancy lined box each		$4.54
No. C1109	Cake fork, in fancy lined box each		2.83
No. C1110	Jelly spoon, in fancy lined box each		3.30

SOUP SPOONS

Six in fancy lined box.

No. C1104 Plain bowls per set $10.67

BOUILLON SPOONS

Six in fancy lined box.

No. C1105 Plain bowls per set $9.50

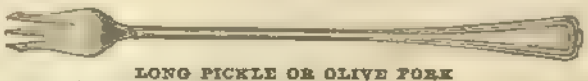
ICED TEA SPOONS

Twelve in lined box

No. C1106	Per dozen	$14.87

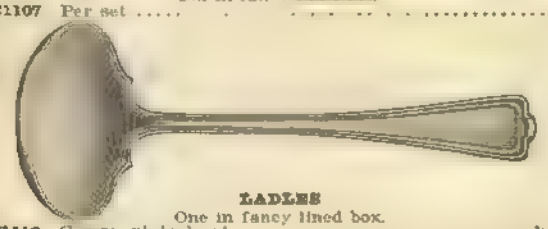
Six in fancy lined box

No. C1107	Per set	$8.27



LONG PICKLE OR OLIVE FORK

No. C1111 One in fancy lined box.....each $2.07



LADLES

One in fancy lined box.

No. C1112	Cream, plain bowl	each	$ 2.55
No. C1113	Cream, gilt bowl	each	3.58
No. C1114	Gravy, plain bowl	each	3.37
No. C1115	Gravy, gilt bowl	each	4.83
No. C1116	Oyster, plain bowl	each	8.85
No. C1117	Oyster, gilt bowl	each	9.50
No. C1118	Medium, plain bowl	each	10.50
No. C1119	Medium, gilt bowl	each	12.53
No. C1120	Punch, hollow handle	each	20.37

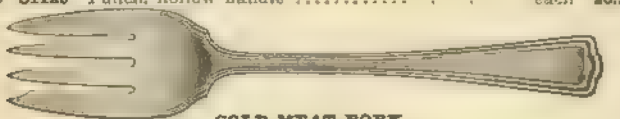
ICE CREAM OR PIE SERVER

One in fancy lined box

No. C1121 Hollow handle .....each $5.67

CHEESE SERVER

No. C1122 Hollow handle .....each $2.83



COLD MEAT FORK

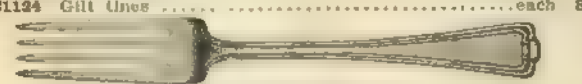
One in fancy lined box.

No. C1123	Plain tines	each	$2.63
No. C1124	Gilt tines .....each		3.67

BERRY SPOON

One in fancy lined box.

No. C1125	Plain bowl	each	$4.12
No. C1126	Gilt bowl	each	5.67



SPOON HANDLED FORKS

Twelve in unlined box.

No. C1127	Medium, XS triple	per doz	$21.50
No. C1128	Medium, XS quintuple	per doz	28.10
No. C1129	Dessert, XS triple	per doz	19.17
No. C1130	Dessert, XS quintuple	per doz.	24.80

SOLID HANDLE EMBOSSED KNIVES AND FORKS

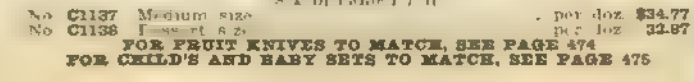
Six in lined packet box

No. C1131	Medium knives, 16 dwt.	per doz.	$13.70
No. C1132	Dessert knives, 12 dwt.	per doz.	13.30
No. C1133	Medium forks	per doz.	13.70
No. C1134	Dessert forks	per doz.	13.30

HOLLOW HANDLE FORKS

Six in flannel roll

No. C1135	Medium size	per doz	$34.77
No. C1136	Dessert size	per doz.	32.87

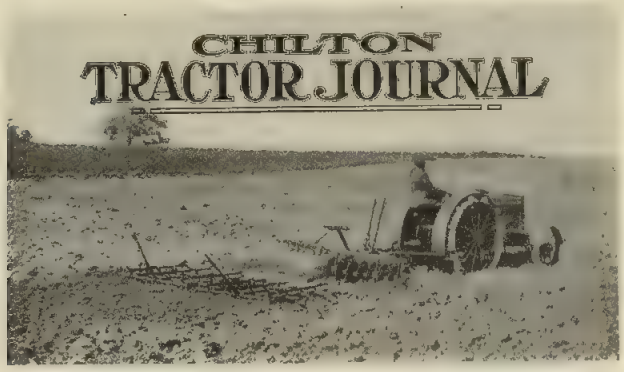


HOLLOW HANDLE KNIVES

Six in flannel roll

No. C1137	Medium size	per doz.	$34.77
No. C1138	Dessert size	per doz	32.87

FOR FRUIT KNIVES TO MATCH, SEE PAGE 474
FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475



Case Gasoline and Kerosene Tractors

THE J. I. Case Threshing Machine Co., of Racine, Wis., builds five models of gasoline and kerosene tractors, viz, the 9-18, 10-20, 12-25, 20-40 and 30-60. The figures indicate the range of h.p. output of each machine. The 9-18 and the 10-20 are this company's leaders at this time, as they are ably fitted to do all the work necessary on small and medium sized farms. The Case Co. lays particular emphasis on the fact that all parts of its various models—the engines, transmissions, axles, frames, etc., are built complete at the Case plant. On the Case 9-18 and 10-20 models the Kingston carburetor and magneto is used, while the larger models are equipped with Kingston carburetors and K W magnetos.

Details of the Case 9-18 Model.

This tractor, which is the latest addition to the Case line, has abundance of power to pull two 14 in. plows, and runs a small separator. It has two speeds of 2½ and 3½ miles per hour. It is especially recommended for discing, seeding, harvesting, hauling, ensilage cutting, etc. It is capable of developing 12 h.p. on the drawbar, 33 1 3 per cent. over the drawbar rating, giving plenty of reserve power for hills or unusual conditions.

The gears are all of spur type. They are enclosed and run in oil. All working parts are completely housed, to protect them from dust and dirt. Roller bearings are used throughout. The weight of this tractor is little more than that of a team of horses and, due to its unusual flexibility and ease of operation, makes it an ideal power equipment on a small farm for all operations, both traction and belt requirements.

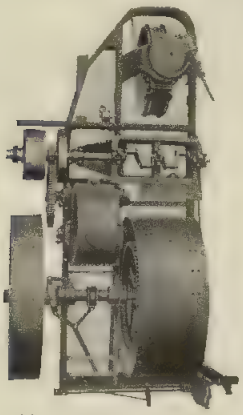
The frame is composed of 5 in. steel channels, which are not only riveted to the cross channels, but also to the steel castings which support the pin on which the front axle is pivoted. This axle being pivoted at the center, makes a three point support for the tractor frame and thus eliminates any tendency for deflection to take place in the frame when the tractor is traveling over an uneven surface.

The rear axle is supported by a cast housing which extends clear across the frame and is only bolted to the top member of the channel as well as to the sides. The transmission gears are contained in a housing which bolts directly to the channels and is held in place by reamed bolts. The drawbar is located so that it pulls directly underneath the axle cannon bearing at a point below the rear axle and is so constructed that it can be locked or left to swing, whichever seems best for the work required. The front axle is of the automobile type Both the axle itself and the wheel spindles are made of a high grade steel.

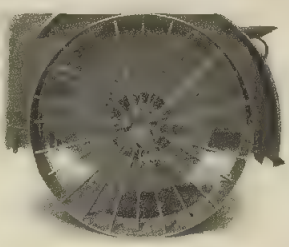
The engine is of the valve-in-the-head type. The valve stems, springs and operating

mechanism being enclosed, are protected from all dust and dirt. Connection is made to the underside of this passageway inside the cylinder casting, which passage connects with the crankcase. A sufficient oil spray, working up through this passage, oils all these parts and thus keeps all the valve stems and operating parts well lubricated.

The water jacket is provided with two handhole plates through which mud or sediment collecting in the water can be removed.



Top View Showing Frame Construction of the Case 10-20.



The Main Drive Gears of the Case are Entirely Enclosed.

The Case 9-18 Gasoline Tractor and the 10-20 Kerosene Model

The upper half of the crankcase and cylinders are cast integral. The bearings for the crankshaft are contained in the lower half of the crankcase with bearing caps placed on top. Two handhole openings in the upper half are provided with covers and can easily and readily be removed. Any necessary adjustments to the crank or bearings can be made through these handhole openings without dismantling any parts. The main and crank pin bearings are of the shell type, steel reinforced and babbitt lined.

The crankshaft is of the two bearings type, drop forged, heat treated. Extra large bearing surfaces are provided so as to prevent frequent takeup. The governor of the fly-ball type is entirely enclosed inside the crankcase, but by means of a small cover easy access to it can be gained. The wearing surfaces of the governor are case hardened.

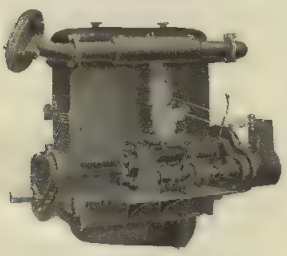
The connecting-rods are drop forged of I-beam section and are specially heat treated for extra strength. The crank pin end of the rod is provided with a steel backed bearing and the upper end with a solid bronze bushing.

The pistons are made of grey iron and are provided with three packing rings. Grooves in the pistons assist in the proper lubrication and prevent too much oil from reaching the combustion chamber.

Lubrication is by means of the combination pump and splash system. A plunger pump is provided which supplies oil, first direct to the main bearings and from these it overflows to splash trays located directly underneath each crank pin, from where it is splashed to lubricate the cylinders and other working parts contained in the crankcase. An indicator provided and located directly in front of the operator enables him to see whether the oil is being properly circulated at all times.

The clutch used on the 9-18 is of the expanding, toggle type, the shoes being lined with friction material. This clutch is operated by means of a hand lever from the operator's seat. The parts which have to do with the adjustment of this clutch are within easy reach and its adjustment can be accomplished easily and readily without the removal of any part.

Only one clutch is used, both for transmission or when the tractor is used for belt work. This clutch is provided with a brake which operates on the belt pulley and is operated by pulling the clutch lever in the opposite direction. This applies the brake to this pulley, which can be used for stopping driven machinery, or when the transmission gears are in mesh, it can be used as a road brake for stopping the tractor on steep grades.



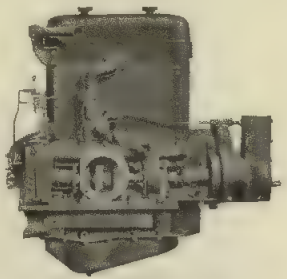
Three quarter view of the 10-20 Case Kerosene Tractor Engine.

The transmission is entirely composed of straight spur gears completely enclosed in dustproof and oiltight housings. The cover of the transmission case can easily be taken off by removing a dozen bolts.

The rear axle is made of high carbon steel and operates in two Hyatt roller bearings. A locking device is provided for the rear axle so that for certain conditions, should slippage occur, both wheels can be locked to drive.

In this tractor the pulley is not only accessible for putting on and taking off a belt, but is provided with a flange on the inside so that the belt will not come in contact with the gear housing used for the first transmission gears.

The drive wheels are identical in construction on all Case models. The rims of the drive wheels are drilled, thus allowing the use of a number of different styles of grouters suitable for the land on which they are to be operated. Steering is accomplished by means of a worm and segment which is non-reversible, which is necessary on tractors, especially when they are working on very rough ground.



Left Side of the 9-18 Gas Engine.

The cooling of the engine is accomplished by means of a truck type of radiator, provided with a fan which is driven direct from the engine by a pair of spiral gears. The circulation is by means of a centrifugal type of pump driven by gears direct from the engine.

The Case 10-20 Kerosene Tractor.

This model is rated at 10 h.p. on the drawbar, but it is capable of delivering 14.7 h.p., 47 per cent. in excess of its rated power. It is recommended for three 14 in. plows. Due to the design of this tractor, the hitch brings the center line of draft for the tractor through the center line of draft for a three bottom plow, thus entirely eliminating side draft for plowing. It has two drivers: a bull wheel 22 in. wide and a 10 in. auxiliary clutched-in driver, thus making it especially fit for operating over soft places. The weight is distributed so as to obtain maximum traction efficiency and perfect balance.

It is equally adapted to belt work. The belt pulley is on the crankshaft, operated through a clutch.

The frame of this small tractor is made from one piece of channel bent into form by means of dies, thus eliminating a great number of riveted joints. The rear axle is provided with a cannon bearing extending between the main drive wheel and idler wheel, and also another bearing placed outside the drive wheel. This axle is made of 3 in. 40 to 50 carbon steel, and operates on three Hyatt roller bearings. The axle is provided with a bearing on each side of the drive wheel, giving additional rigidity to the frame and also proper support of the main drive wheel through which all strains must pass A reservoir for holding lubricant is provided in the center of the bearing, which extends between the two wheels. These parts operate in an oil bath. The pedestal, on which the yoke carrying the front wheel is mounted, has been made of heavy steel plate, formed to shape by means of dies.

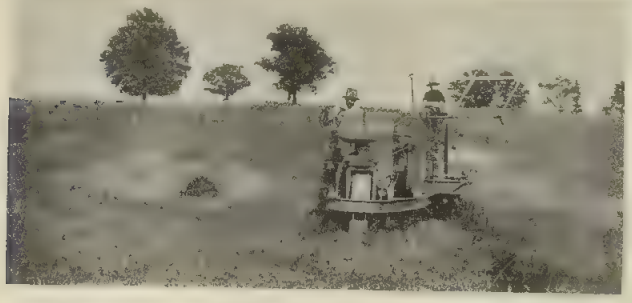
The engine follows the design of the one used in the 9-18 model to some extent. A refinement is noted in the valve stem guides which are removable.

The clutch used on this model is of the cone type. The clutch is operated by means of a hand lever from the operator's seat. This one clutch is used for belt or for transmission when the tractor is on the road.

In the construction of this tractor there is nothing to interfere with the belt. A brake, provided for this pulley, is connected to the lever which operates the clutch. This brake is used to stop rotation of belt pulley immediately when necessary to stop machinery which may be driven, or is used for a brake on the entire tractor when transmission gears are in mesh.

The two main drive wheels are of the same diameter, but of different widths, one being 10 in. wide and the other 22 in. wide The width of these wheels is such that the unit pressures exerted on the ground are approximately alike.

Ordinarily the drive is to the wide wheel only, the third wheel being loose on the axle. Provision, however, is made by means of which this wheel can be clutched to the axle, causing both wheels to be driven. This feature gives additional traction in hard places and provides a means for getting traction should the idler wheel drop in a hole or rut. The jaw-clutch driving this wheel is arranged so that it can be thrown in or out by the operator without leaving his seat.



A Case 10-20 Gas Tractor Harvesting.

After careful experiments the Case Co. found that a specially designed manifold and motor head were required to use kerosene satisfactorily. Although the flexibility of the engine is not as great with this fuel as with gasoline, the results under ordinary conditions have been found to be eminently satisfactory.

Although the engine is designed for burning kerosene it will operate on gasoline; the same carburetor is used in either case. The construction of the arrangement for utilizing the lower grade fuels as supplied on this engine consists briefly of a jacketed exhaust pipe provided with fins, which fins are heated by the engine exhaust, and the mixture of fuel and air as supplied by the carburetor is passed over these fins on its way to the combustion chambers. The application of heat in this manner vaporizes the fuel before it reaches the cylinders.

Auto-Strop Safety Razor

STROPS ITSELF. The only safety razor automatically stropping itself without removing blade or any part. PRICES EACH.

The Auto-Strop razor is far quicker and handier than a no-stropping razor.
A Quick Shaver
A Time Saver
A Blade Saver
Easy selling and every sale makes an enthusiastic customer.

The most delightful shave is the shave the head barber gives you. You can get that identical delightful head barber shave with the Auto-Strop Razor because it is simply the same edge that the head barber uses, only it is ingeniously constructed so that a novice can strop it as expertly as the head barber, and can shave with it as expertly as the head barber, and can't cut himself.

STANDARD OUTFIT
(Size 11x4½ inches.)

No. 1 Black leather case, satin lined; silver plated self-stropping razor; 12 blades; shell horsehide strop.....$13 05
No. 1A Pigskin case, silver plated self-stropping razor; 12 blades; shell horsehide strop.....$14.35
No. 1B Pigskin case, gold plated self-stropping razor; 12 blades; shell horsehide strop.....$15 65

EMBOSSED METAL OUTFITS
(Size 1½x4½ inches.)

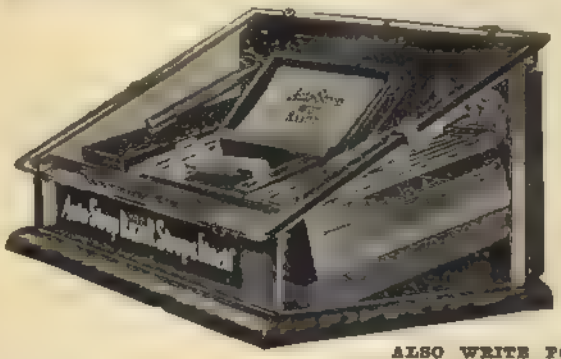
No. 251 Embossed nickel plated case, velvet lined; silver plated self-stropping razor; 12 blades; shell horsehide strop.....$13.05
No. 50 Handsome nickel plated case, velvet lined; silver plated self-stropping razor, 12 blades; shell horsehide strop.....$13 05

COMBINATION SETS No. 25
(Size 3¼x5 inches.)

No. 25 Morocco grain black leather case; silver plated self-stropping razor; 12 blades; shell horsehide strop; fine quality "Interset" in ler brush and stick of "Colgate's" shaving soap in silver plated push bottom tubes.....$16.95

AUTO STROP ACCESSORIES

Fine shell horsehide stropa, each.....$1.30
Carton of 6 blades.....$1.30
Carton of 12 blades.....2.60



FREE

THIS HANDSOME MAHOGANY FINISH PLATE GLASS SHOW CASE TO EACH OF OUR CUSTOMERS WHO SEND US AN ORDER FOR THREE ASSORTED $13.05 AUTO STROP RAZOR OUTFITS. ONE ONLY TO A CUSTOMER.

ALSO WRITE FOR THE "AUTO-STROP" GIFT BOOK FOR MERCHANTS

Gillette Safety Razor. No Stropping, No Honing.

WE WISH TO CALL PARTICULAR ATTENTION TO THE "NEW POCKET EDITION." THESE SETS ARE MADE IN THE BEST STYLE OF THE JEWELER'S ART, UNIFORM IN SHAPE AND SIZE, BUT DIVERSIFIED IN ORNAMENTAL DESIGN AND FINISH. THEY ARE WITHOUT QUESTION THE MOST BEAUTIFUL LINE OF RAZOR SETS EVER PLACED BEFORE A DISCRIMINATING PUBLIC.
PRICES EACH

STANDARD RAZOR
Leather case, velvet lined

No. 460 Morocco grain case; triple silver plated.....$13.05
No. 466A Real seal case; sterling silver razor.....31 25
No. 466B Real seal case, gold plated razor.....19 50
No. 468B Pigskin case; gold plated razor.....19 50

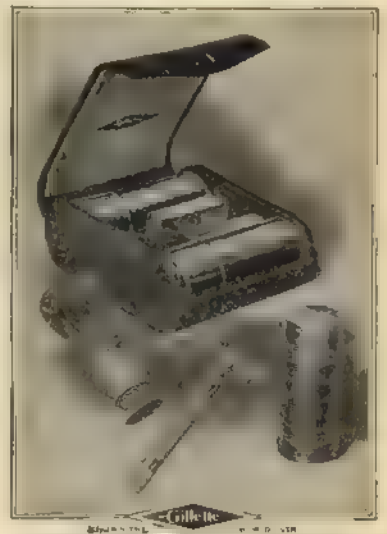
ARISTOCRAT
French ivory case, velvet lined.
Triple silver plated razor.....$13 05
Gold plated razor.....18.65

MILADY DECOLLETTE
Brought out by The Gillette Co. in response to numerous requests from all the Metropolitan Fashion Centers. Women of Fashion now feel that an under arm as smooth as the face is one of the necessary details of a perfect toilet.
Gold plated Razor, French ivory silk lined case.....$13.05

Above sets contain 12 double edged Gillette blades (24 shaving edges) in box to match case

GILLETTE BLADES

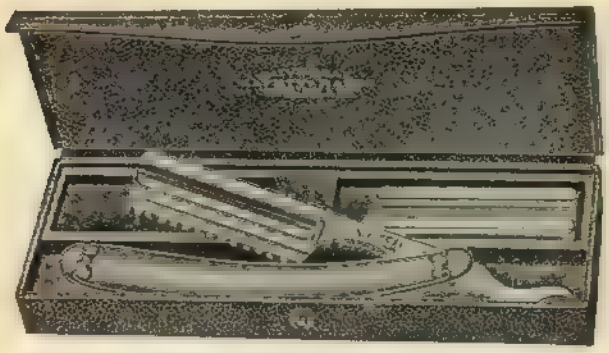
Package of 12 blades, per package.....$2.60
Package of 6 blades, per package.....1.30



STANDARD COMBINATION SET

No. 00 Consists of triple silver plated razor; Badger hair shaving brush in triple silver plated holder; stick Gillette shaving soap in triple silver plated holder; two metal blade boxes and 12 double edged blades as contained in set, grain leather case.....$16.95
No. 00A Same as above; contained in best Morocco case.....20.85
No. 00B Same as above contained in pigskin case.....20.85
No. 00G Same as above contained in best Morocco case, with gold plated razor and fittings throughout.....28.10

Fine Safety Razors, Safety Razor Blade Strops and "Our Special"



THE "UNIVERSAL" SAFETY RAZOR TO RETAIL FOR $1.00

Shaves with the sliding draw cut. No scraping. No soreness. Can be kept sharp by stropping.

You can do everything with the "Universal" that can be done with the finest old-fashioned razor. Everything but one—you cannot cut yourself. It is used the same as the old-fashioned razor. Anyone can use it. It is the simplest of safety razors. Nothing to adjust, only the guard slips off for washing. All metal parts, except blade, are made of nickel silver.

The blade of this razor is not to be confounded with the ordinary safety blades, wafer or otherwise. It is an altogether different and superior article. The blade in the "Universal" is made of the finest chrome steel. Every detail of the work is done with scientific accuracy that insures uniform excellence.

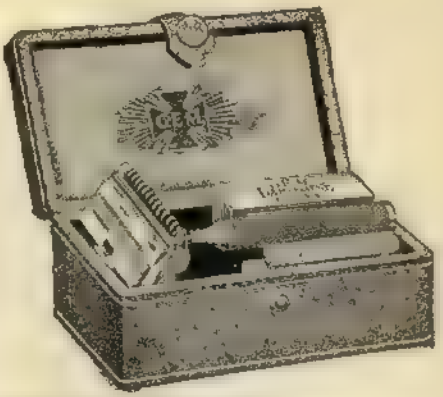
No. 60 Ivoroy (antique) handle razor, guard and extra blade, in plush lined Russian leatherette case. Per dozen.....$27.75

No. 80 Ivoroy (black) handle razor, guard and extra blade, in plush lined Russian leatherette case. Per dozen..... 27.75

THE TWINPLEX STROPPER

The greatest invention, because it strops two edges at once, reverses itself automatically and strops the other side, all in 30 seconds with results that you have an edge that cuts smooth and insures as good a shave as any barber ever gave you. Can strop any blade that fits a Gillette razor. Read the instructions with each stropper carefully; it is instructive. Guaranteed 10 years from date of purchase. Nickel stropper, put up in leatherette case, plush lined.

Each $9.17



THE GEM DAMASKEENE RAZOR

Is unequaled for simplicity of construction, uniform quality of blades, completeness of package and attractiveness.

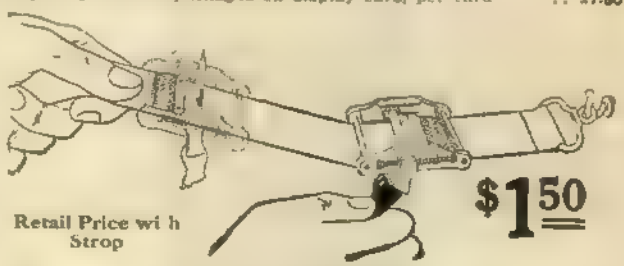
There are four parts to the Gem Damaskeene Razor: Frame, handle, blades and case.

The new Damaskeene Frame is a marvel of ingenious simplicity, strongly made, handsomely finished.

The Blades—made from our own make of Damaskeene razor steel are wonderfully keen, absolutely uniform and unqualifiedly guaranteed.

The Case—is velvet lined, compact, closed with catch button lock and is substantial.

Complete set, per dozen $29.17
Extra blades, per package of 7 blades..... .73
Blades put up 2 dozen packages on display card, per card..... 17.50



Retail Price with Strop **$1.50**

THE GEM STROPPER

Each..... $3.47
Will strop Gem, Superior Star, Ever-Ready or Clara safety razor blades.

An Innovation in Razors—The Never-Dull Razor

This wonderful razor is especially tempered to use in connection with the two pastes invented and perfected by an eminent French chemist. Any barber can shave every customer with this one razor. Loan one of these razors to your barber for a week's trial before offering it for sale. If he don't tell you it is the BEST he ever used, return it to us.

The specially prepared Leather Strop does away with honing by the old method of stone and oil. (One must be an expert to properly hone a razor by this method.) All that is necessary is to first use a small quantity of the Zeol the Paste on the wooden side of the strop. Six or seven strokes with a slight pressure are sufficient. A little Lan. nor used on the prepared leather will keep a fine edge on your razor. The wooden side acts as a hone so that it is necessary to use this only occasionally. The paste lasts for five years or more. By scraping the strop at intervals and applying fresh paste you are always assured of a smooth, velvety shave, which can only be equaled by the best barbers.

Physicians, professionals and other professional men are using this newly invented razor with the best results and there is not one who would part with it for ten times its cost if another could not be procured.

Every user of this razor states the sensation when using it is not one of cutting, rather the opposite. One is inclined to believe the razor passes over the hairs, but it gives the best and smoothest shave obtainable.

No. P1150 Complete set..... $7.08

The Lightning Stropper. For Stropping Any Razor or Safety Razor Blades

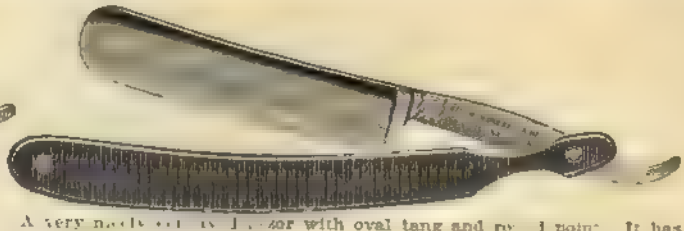
By using the two pastes shown in the above razor outfit, together with the Patented Stropper, will produce and maintain the finest edge that razor or razor blade will ever receive. The two pastes, stropper and safety razor outfit, under the instruction and will accommodate almost any make of safety razor blade. When blades are placed in this holder it is impossible to obtain the best results as the blades are held at such an angle as to insure the most keen cutting edge with a few strokes. Stropping is done exactly the same with an ordinary razor outfit, and will produce equally good results on ordinary razor or safety razor blades.

No. P1151 Put up in an attractive cardboard box. Per set, complete..... $3.53

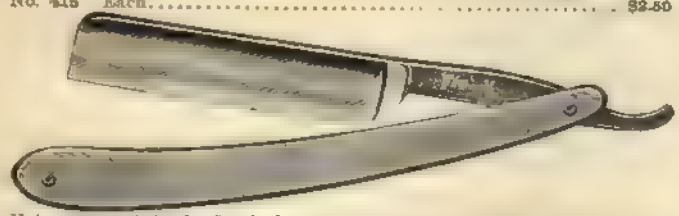
Fine Barbers' Razors

These razors are absolutely guaranteed to give satisfaction for twenty years. If any of these razors become dull they can be sent to us with the name and address of the owner plainly written and ten cents in postage stamps for postage and packing and we will rehone the razor as often as it may be sent free of charge. We will return the razor within forty-eight hours providing the same is not broken, nicked or rusted, as it can only get in such condition by carelessness. All made of the finest quality of steel.

A finely concaved razor made of the very best Swedish steel, well finished, with oval rubber handle, fully guaranteed.
No. 415 Each..... $2.50

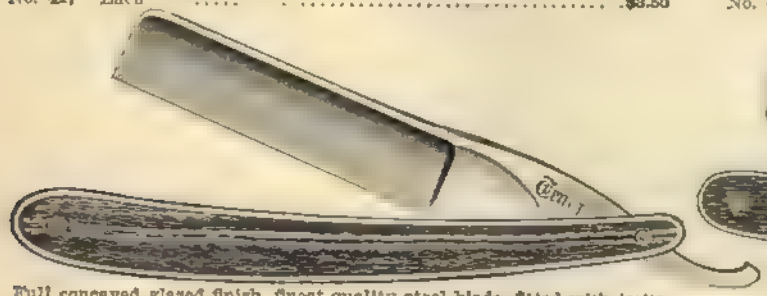


A very handsome razor with oval tang and round point. It has a Parisian ivory handle with indents which will fit the fingers.
No. 416 Each..... $4.17



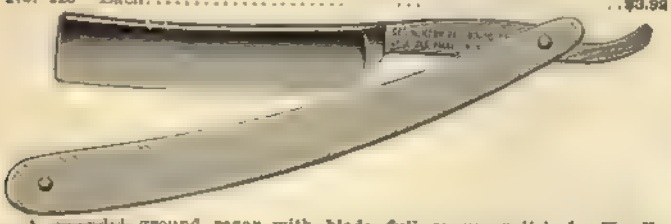
Full concaved finely finished razor, made of the finest quality steel. Special point with fine black handle.
No. 417 Each..... $3.50

Finely concaved mirror polished, tang covered with white colored pyrolin with transparent red handle, an essential razor for individual use.
No. 418 Each..... $4.34



Full concaved glazed finish, finest quality steel blade, fitted with imitation redwood handle with white edges.
No. 419 Each..... $3.34

Full concaved. Fully polished tang covered with white ivoroid. Ivoroid handle
No. 420 Each..... $4.00



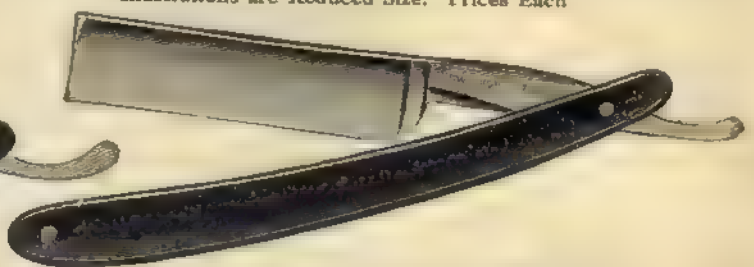
A concaved ground razor with blade full crocus polished. Handle made of fine quality ruby colored transparent celluloid. A very excellent article.
No. 421 Each..... $4.34

Extra finely concaved razor, oval tang, full crocus polished and with fine rubber handle
No. 422 Each..... $4.67

Fine Imported Razors

Hand Forged, Full Crocus, Polished Blades. Every Razor Fully Guaranteed. Illustrations are Reduced Size. Prices Each

Black rubber handle, ⅝-inch hollow ground blade made of finest Swedish steel
No. 401..... $3.34



Black rubber handle, ⅝-inch full hollow ground blade made of the very finest Swedish steel
No. 402..... $4.17

Black rubber handle, ⅝-inch full hollow ground blade, made of the finest English tool steel.
No. 404..... $5.00

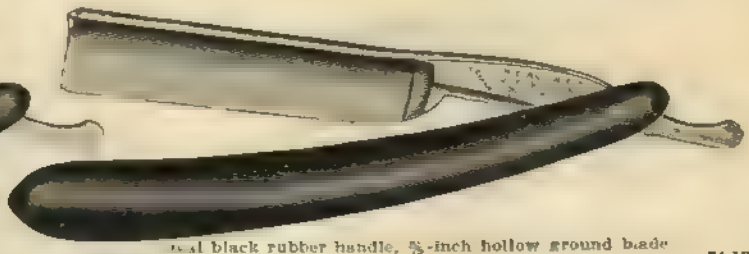
Fine white ivory handle, ⅝-inch full hollow ground blade, made of the finest English tool steel, the highest grade razor that can be produced.
No. 406..... $6.67

Finest Imported Swedish Razors

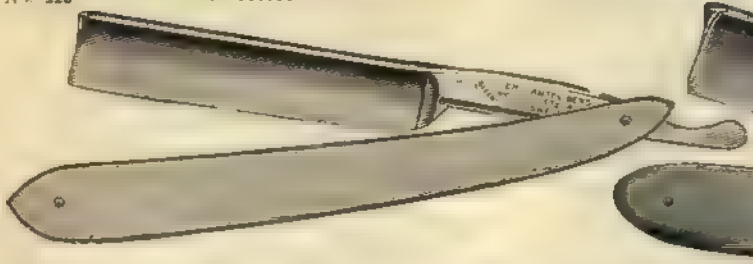
1863 1917

Made in Eskilstuna, Sweden. Imported Especially for Us. These Razors are made of the finest Swedish steel, are hollow-ground, and the best finished razor on the market. Every razor is carefully tested, and is ready for use. Fully guaranteed. If given proper care these razors will hold a better edge and give better satisfaction than any razor in the world. Prices Each.

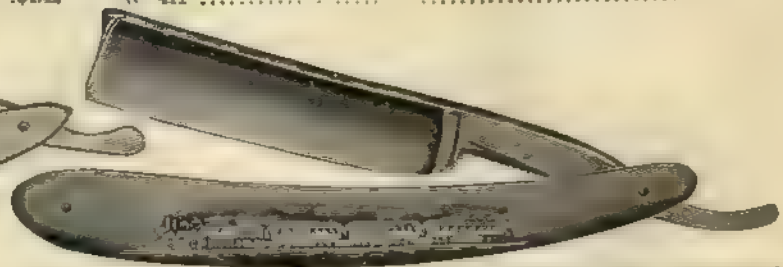
No. 410 [illegible] black rubber handle, ⅝-inch hollow ground blade $4.42



No. 411 [illegible] black rubber handle, ⅝-inch hollow ground blade $4.17



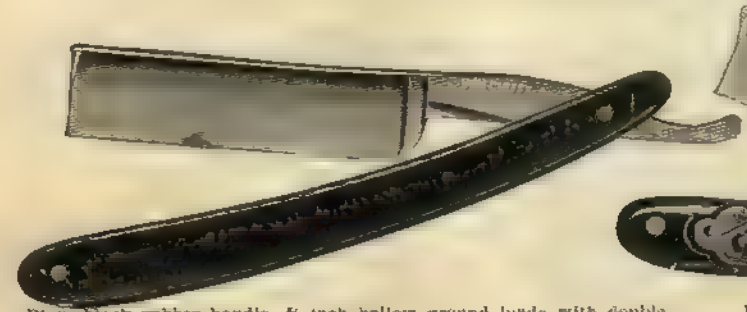
Fine white ivory grained handle, ⅝-inch extra full hollow ground blade.
No. 412 ..... $8.34



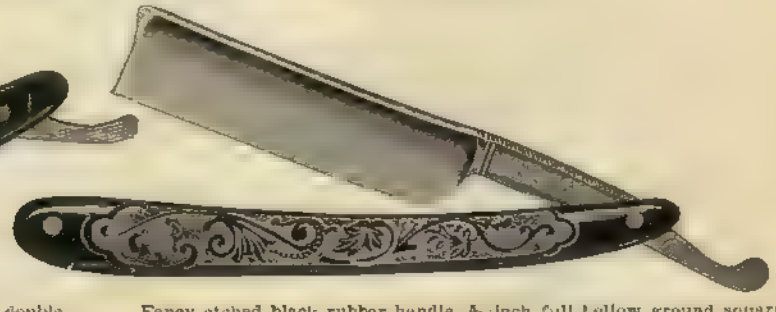
Aluminum handle, engraved, train on one side, prairie schooner and mountains on other side, fine hollow ground blade
No. 413 ⅝-inch blade $5.83
No. 414 ½-inch blade 5.83

Fine Imported German Razors

HAND FORGED. EVERY RAZOR GUARANTEED. CUTS ARE REDUCED SIZE. PRICES EACH.



Plain black rubber handle, ⅝-inch hollow ground blade with double shoulder.
No. 313 Each $3.33

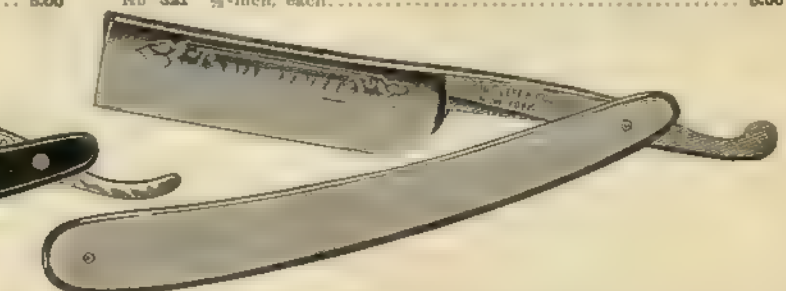


Fancy etched black rubber handle, ⅝-inch full hollow ground square point blade.
No. 316 Each $4.42

The finest razor made. Plain oval black handle, ⅝ and ½-inch extra full hollow ground square point blade.
No. 317 ⅝-inch, each $5.00
No. 318 ½-inch, each 5.00

Fine celluloid ivory grained handle with German silver tips, ⅝ and ½-inch full hollow ground plain blade.
No. 320 ⅝-inch, each $5.00
No. 321 ½-inch, each 5.00

Flat black handle, full hollow ground double shoulder blade.
No. 323 ½-inch blade, each $5.34
No. 324 ⅝-inch blade, each 5.34



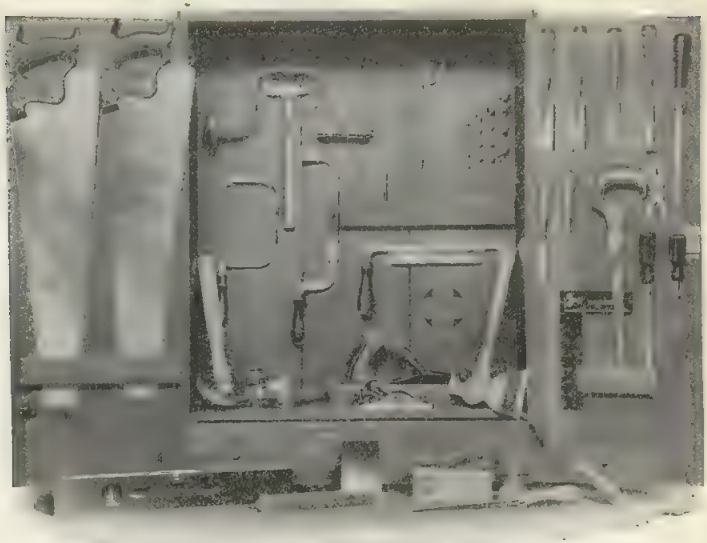
[illegible] white ivory grained handle, ⅝-inch extra full hollow ground etched blade.
No. 325 Each $7.50

RAZOR STROP

Heavy select horsehide with military swivel and fashion handle. This strop is finished to be used as a self-honing strop and will keep a razor in perfect condition if properly used. Size 1¾x23½ inches.
No. 326 Each $2.00

TOOL CABINETS

Clean Cut



Heavy solid oak cabinet with two paneled doors. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 in deep. Outside dimensions 38 in high, 29 in wide 8½ in deep. Complete outfit of highest grade tools. **Fully warranted.**

No. 5 C. C. Complete with 49 tools, etc. Weight each, 74 lbs. ..... **Each $42.00**

Contents

1	Clean Cut	Hand saw, No. 70, 26"
1		Rip saw, No. [illegible]
1		Hack saw frame, No. 650
1		Coping saw, No. 90
1	"	Nail hammer, No. 511½
1	"	Hatchet, No. 302
1	"	Pocket chisel, No. 800, ¼"
1	"	Pocket chisel, No. 800, ⅜"
1	"	Pocket chisel, No. 800, ½"
1	"	Pocket chisel, No. 800, ¾"
1	"	Pocket chisel, No. 800, 1"
1	"	Pocket chisel, No. 800, 1¼"
1	"	Pocket chisel, No. 800, 1½"
1	"	Auger bit, No. 100, 4/16"
1	"	Auger bit, No. 100, 6/16"
1	"	Auger bit, No. 100, 8/16"
1	"	Auger bit, No. 100, 10/16"
1	"	Auger bit, No. 100, 12/16"
1	"	Auger bit, No. 100, 14/16"
1	"	Auger bit, No. 100, 16/16"
1	"	Ratchet brace, No. 4310, 10"
1	"	Screw driver, No. 100, 3"
1	"	Screw driver, No. 930, 5"
1	"	Awl and tool set, No. 40
1	"	Draw knife, 8"
1	Clean Cut	Combination pliers, No. 108, 6"
1		Mill bastard file, 8"
1		Slim taper file, 6"
1		Oil stone, No. 11
1	"	Wing divider, No. 330, 6"
1	"	Cabinet scraper, 3x5"
1	"	Compass saw, 12"
1	"	Gimlet bit, 4/32"
1	"	Gimlet bit, 8/32"
1	"	Gimlet bit, 12/32"
1	"	Screw driver bit, No. 260
1	"	Nail set, No. 10
1	"	Snail countersink, No. 200
1	"	Square reamer, No. 380
1	Stanley block plane, No. 9½	
1	Stanley jack plane, No. 26	
1	Stanley try square, No. 20, 7½"	
1	Stanley marking gauge, No. 64	
1	Stanley level, No. 104, 18"	
1	Magnetic tack hammer, No.	
1	Boxwood rule, No. 66½	
1	Zinc oil can, No. 1	
1	Gill can LePage's glue	

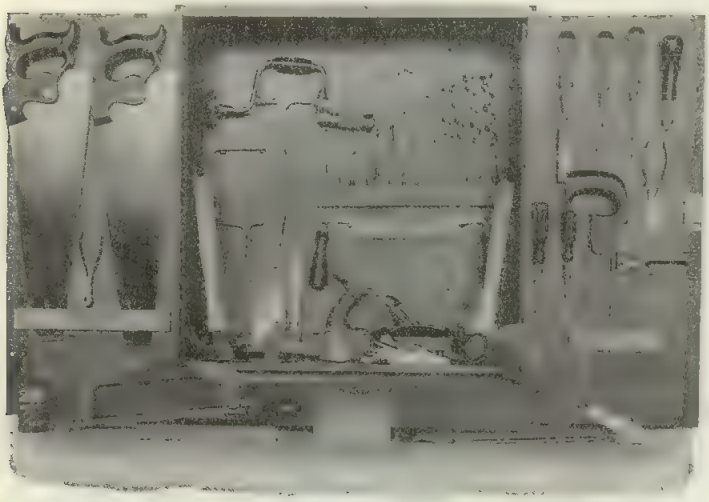
TOOL CABINETS ONLY

With wire fixtures for holding tools

No. 05 Cabinet only, without tools. Weight, 51 lbs. ..... **Each $15.00**

TOOL CABINETS

Clean Cut



Heavy solid oak cabinet with two panelled doors. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 7" deep. Outside dimensions 29 in. high, 25 in. wide, 8½ in. deep. Complete outfit of highest grade tools. **Fully warranted.**

No. 4 C. C. Complete with 44 tools, etc. Weight each, 62 lbs. ..... **Each $36.00**

Contents

1	Clean Cut	Hand saw, No. 70, 18"
1	Clean Cut	Rip saw, No. 70, 18"
1		Hack saw frame, No. 650
1		Coping saw, No. 90
1	"	Nail hammer, No. 511½
1	"	Hatchet No. 302
1	"	Pocket chisel, No. 800, ¼"
1	"	Pocket chisel, No. 800, ½"
1	"	Pocket chisel, No. 800, 1"
1	"	Auger bit, No. 100, 4/16"
1	"	Auger bit, No. 100, 6/16"
1	"	Auger bit, No. 100, 8/16"
1	"	Auger bit, No. 100, 10/16"
1	"	Auger bit, No. 100, 12/16"
1	"	Auger bit, No. 100, 14/16"
1	"	Auger bit, No. 100, 16/16"
1	"	Ratchet brace, No. 4310, 10"
1	"	Screw driver, No. 100, 3"
1	"	Screw driver, No. 930, 5"
1	"	Awl and tool set, No. 40
1	"	Draw knife, 8"
1	"	Combination pliers, No. 106, 6"
1	Clean Cut	Mill bastard file, 8"
1		Slim taper file, 6"
1		Oil stone, No. 40
1		Wing divider, No. 330, 6"
1	"	Cabinet scraper, 3x5"
1	"	Compass saw, 12"
1	"	Gimlet bit, 4/32"
1	"	Gimlet bit, 8/32"
1	"	Gimlet bit, 12/32"
1	"	Screw driver bit, No. 260
1	"	Nail set, No. 10
1	"	Snail countersink, No. 240
1	"	Square reamer, No. 150
1		Stanley block plane, No. 9½
1		Stanley jack plane, No. 26
1		Stanley try square, No. 20, 7½"
1		Stanley marking gauge, No. 64
1		Stanley level, No. 31, 3"
1		Magnetic tack hammer, No. 272
1		Boxwood rule, No. 66½
1		Zinc oil can, No. 1
1		Gill can LePage's glue

TOOL CABINETS ONLY

With wire fixtures for holding tools.

No. 04 Cabinet only, without tools. Weight, 39 lbs. ..... **Each $12.00**

TOOL CABINETS

Clean Cut TRADE MARK

Heavy solid oak cabinet with two paneled doors Weathered oak finish Varnished and hand rubbed Brass trimmings throughout. Stee. cabinet lock and key Inside drawer 5 in deep Outside dimensions. 27 in. high, 20 in wide, 8½ in. deep Complete outfit of highest grade tools. **Fully warranted.**

No. 3 C. C. Complete with 36 tools, etc. Weight each, 50 lbs.....Each $30.00

Contents

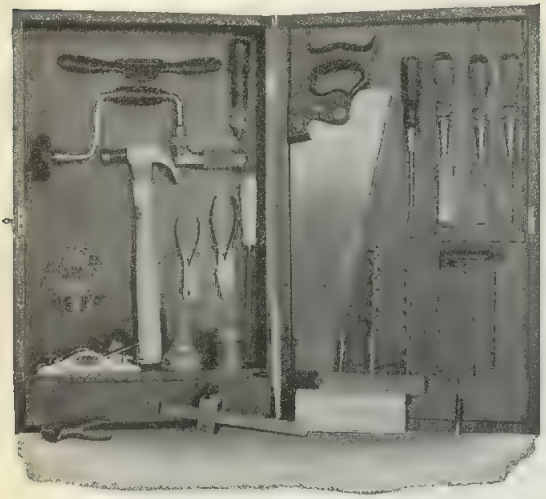
1	Clean Cut TRADE MARK	Hand saw, No. 70, 18"
1		Hack saw frame No [illegible]
1		Coping saw, No. 90
1		Screw driver, No. 100, 3"
1	"	Screw driver, No. 930, 5"
1	"	Pocket chisel, No. 800, ¼"
1	"	Pocket chisel, No. 800, ½"
1	"	Pocket chisel, No. 800, 1"
1	"	Auger bit, No. 100, 4/16"
1	"	Auger bit, No. 100, 8/16"
1	"	Auger bit, No. 100, 12/16"
1	"	Ratchet brace, No. 4310, 10"
1	"	Nail hammer, No. 511 ½
1	"	Combination pliers, No. 100, 6"
1	"	Slim taper file, 6"
1	"	Awl and tool set, No. 40
1	"	Oil stone, No. 40
1	Clean Cut TRADE MARK	Draw knife, 8"
1		Wing divider, No. 330, 6"
1		Cabinet scraper, 3x5"
1		Gimlet bit, 4/32"
1	"	Gimlet bit, 8/32"
1	"	Gimlet bit, 12/32"
1	"	Nail set No 10
1	"	Snail countersink, No. 200
1		Boxwood rule, No. 66⅔
1		Stanley block plane, No. 9½
1		Stanley jack plane, No. 26
1		Stanley try square, No. 20, 7½"
1		Stanley marking gauge, No. 64
1		Stanley level, No. 31, 3"
1		Magnetic tack hammer, No. 272
1		Zinc oil can, No. 1
1		Gill can LePage's glue

TOOL CABINETS ONLY

With wire fixtures for holding tools.

No. 03 Cabinet only, without tools. Weight 33 lbs.....Each $10.00

TOOL CABINETS



Heavy hardwood cabinet with paneled box door. Weathered oak finish. Varnished and hand rubbed Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 in. deep. Outside dimensions: 24 in. high, 15½ in. wide, 5½ in. deep. Complete outfit of highest grade tools. **Fully warranted.**

Contents

1	Clean Cut	Hand saw, No. 70, 18"
1		Screw driver, No. 100, 5"
1		Pocket chisel, No. 800, ¼"
1		Pocket chisel, No. 800, ½"
1	"	Pocket chisel, No. 800, 1 "
1	"	Auger bit, No. 100, 4/16"
1	"	Auger bit, No. 100, 8/16"
1	"	Auger bit, No. 100, 12/16/
1	"	Ratchet brace, No. 4308, 8"
1	"	Nail hammer, No. 511½
1	"	Comb'tion plier, No. 106, 6"
1	"	Slim taper file, 6"
1	"	Awl and tool set, No 40
1	"	Oil stone, No. 40
1	"	Gimlet bit, No. 140, 4/32"
1	"	Nail set, No. 10
1	"	Small countersink, No. 200
1	Boxwood rule, No. 68	
1	Stanley block plane, No. 9½	
1	Stanley try square, No. 20, 7½"	
1	Stanley spoke shave, No. 52	
1	Stanley marking gauge, No. 64	
1	Zinc oil can, No. 1	
1	Small can LePage's Glue	

No. 2—CLEAN CUT

No. 2 C. C. Complete with 26 tools. Weight, 25 lbs. ..... Each **$20.00**

TOOL CABINETS ONLY

With wire fixtures for holding tools

No. 02 Cabinet only, without tools. Weight, 13 lbs. ..... Each **$ 6.00**

Heavy hardwood cabinet with paneled box door. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 in. deep. Outside dimensions 22 in. high, 11 in. wide, 5½ in. deep. Complete outfit of highest grade tools. **Fully warranted.**

Contents

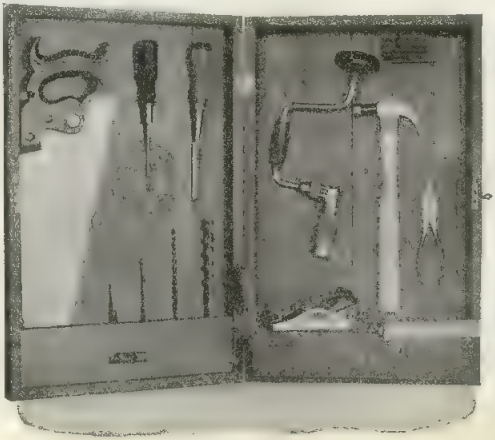
1	Clean Cut	Hand saw, No. 70, 16"
1		Screw driver, No. 100, 4"
1		Auger bit, No. 100, 4/16"
1		Auger bit, No. 100, 8/16"
1	"	Pocket chisel, No. 800, ½"
1	"	Ratchet brace, No. 4308, 8"
1	"	Nail hammer, No. 512
1	"	Combination plier, No. 106, 6"
1	"	Gimlet bit, No. 140, 6/32"
1	"	Nail set, No. 10
1	Boxwood rule, No. 68	
1	Stanley Block plane, No. 9½	
1	Stanley try square, No. 20, 6"	
1	Stanley brad awl, No. 3	

No. 1 C. C. ..... Each **$14.00**
Complete with tools. Weight 20 lbs.

TOOL CABINETS ONLY

With wire fixtures for holding tools.

No. 01 ..... Each **$6.00**
Cabinet only, without tools. Weight, 11 lbs.



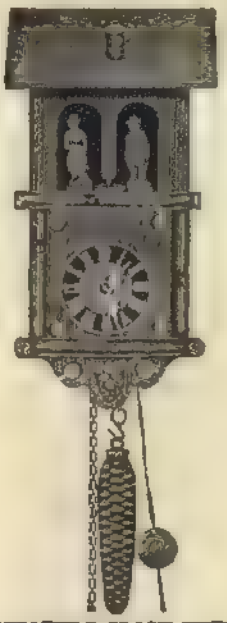
No. 1—CLEAN CUT

Fine Imported Cuckoo and Novelty Clocks

PRICES EACH

MINIATURE CUCKOO CLOCK

No. 25 ..... $0.85
Height 12 inches, width 8½ inches. Dial 3¼ inches. Half-hour cuckoo call.
Imitation Walnut Case.
Small size movement. Each clock packed with two weights in strong pasteboard box. A reliable clock for the money.

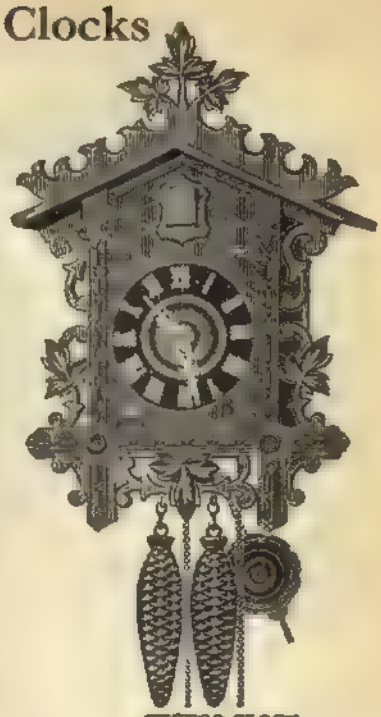


MINIATURE CLOCK WITH BAROMETER

No. 113 ..... $2.75
Height 21 inches, width 5½ inches. Made of fancy wood, nicely carved. One-day time. The barometer indicates the weather six to eight hours ahead. In good weather lady appears; in bad weather man appears.

MINIATURE CLOCK

No. 62 ..... $1.45
Walnut Color
Height 7 inches, width 4¼ inches. Wood front. Old style movement. One-day time.



CUCKOO CLOCK

No. 35 ..... $11.65
Height 18 inches, width 10 inches. Dial 4½ inches. Half-hour strike and call.
Imitation Walnut Case.
With inlaid ash, ebony and mahogany ornaments. Small size movement. Each clock is packed separate, with two weights, in a strong pasteboard box.

CUCKOO CLOCK

No. 44 ..... $17.00
Height 19 inches. Width 12 inches.
Dial 5 inches.
Half-hour strike and call.
German Walnut or Oak Case with Inlaid Ash, Ebony and Mahogany Ornaments.
Small size movement.
Front of case made of three layers of wood.

CUCKOO CLOCK

No. 56 ..... $19.15
Height 21 inches. Width 14 inches.
Dial 5½ inches.
Half-hour strike and call.
Solid Walnut or Oak Case with Inlaid Ash, Ebony and Mahogany Ornaments.
Large G. K. movement.
Front of case made of three layers of wood.

CUCKOO CLOCK

No. 37 ..... $22.15
Height 23½ inches. Width 15½ inches.
Dial 6¼ inches.
Half-hour strike and call.
Solid Walnut or Oak Case with Cherry Ornaments.
Large size G. K. movement.
Front of case made of three layers of wood.

G.W. HUNTLEY CHICAGO

Fine Hand Carved Imported Cuckoo Clocks

1863 1917

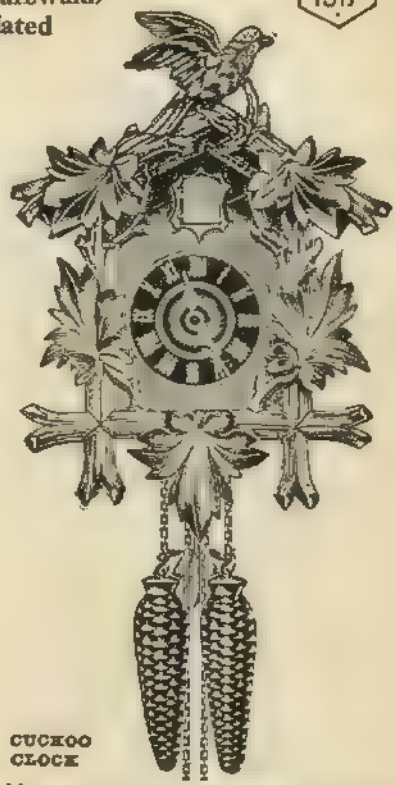
Imported Direct from the Black Forest (Schwarzwald) Germany. Each Clock is Adjusted, Regulated and Packed in Strong Wooden Box

CUCKOO CLOCK

No. 32 ..... $27.15
Height 20 inches. Width 14 inches.
Dial 5½ inches.
Half-hour strike and call.
Solid Walnut or Oak Case
Large size G. K. movement.
Front of case made of three layers of wood.

CUCKOO CLOCK

No. 65 ..... $24.15
Height 18 inches. Width 12 inches.
Dial 5 inches.
Half hour strike and call.
German Walnut or Oak Case
Small size movement.
Front of case made of three layers of wood.



CUCKOO CLOCK

No. 16 ..... $18.35
Height 18 inches. Width 12 inches.
Dial 4½ inches.
Half hour strike and call.
Imitation Walnut Case
Small size movement.
Each clock is packed separate, with two weights, in a strong wooden box.

CUCKOO CLOCK

No. 107 ..... $29.85
Height 19 inches. Width 14 inches.
Dial 5¼ inches.
Half-hour strike and call.
Solid Walnut or Oak Case
Large size G. K. movement.
Front of case made of three layers of wood.

CUCKOO CLOCK

No. 33 ..... $28.35
Height 19 inches. Width 14 inches.
Dial 5¼ inches.
Half-hour strike and call.
Solid Walnut or Oak Case
Large size G. K. movement.
Front of case made of three layers of wood.

CUCKOO CLOCK

No. 24 ..... $34.15
Height 21 inches. Width 15 inches.
Dial 5¾ inches.
Half-hour strike and call.
Solid Walnut or Oak Case
Large size G. K. movement.
Front of case made of three layers of wood.

Fine Hand Carved Imported Cuckoo Clocks

Imported direct from the Black Forest (Schwarzwald, Germany). Each Clock is adjusted, regulated and packed in a strong wooden box.

Prices Each.

No. 42 CUCKOO CLOCK $36.35
Height 6 inches, width [illegible], dial 5¼ inches. [illegible] strike and call.
Solid Walnut or Oak Case
Large size G. K. movement.
Front of case made of three layers of wood

No. 45 QUAIL AND CUCKOO CLOCK—$38.35
Height [illegible] inches, width 14 [illegible]
Dial [illegible] inches. Quarter-hour strike and call.
Solid Walnut Case Only, with Inlaid Ash, Ebony and Mahogany Ornaments
Three-quarter size G. K. movement.
Front of case made of three layers of wood

No. 68 QUAIL AND CUCKOO CLOCK—$41.35
Height 20 inches, width 14 inches.
Dial 6 inches. Quarter-hour strike and call.
Solid Walnut Case Only.
Three-quarter size G. K. movement.
Front of case made of three layers of wood.

No. 7 QUAIL AND CUCKOO CLOCK—$45.35
Height 2[illegible] inches, width [illegible] inches.
Dial 6⅝ inches. Quarter-hour strike and call.
Solid Walnut or Oak Case with Inlaid Ash, Ebony and Mahogany Ornaments.
Large size, G. K. movement.
Front of case made of three layers of wood

No. 9 QUAIL AND CUCKOO CLOCK—$60.50
Height 37[illegible] inches, width 18 inches.
Dial [illegible] inches. Quarter-hour strike and call.
Solid Walnut or Oak Case.
Large size G. K. movement.
Front of case made of three layers of wood.

No. 11 QUAIL AND CUCKOO CLOCK—$70.50
Height 26 inches, width 18 inches.
Dial 6⅝ inches. Quarter-hour strike and call.
Solid Walnut or Oak Case.
Large size, G. K. movement.
Front of case made of three layers of wood.

Mission Mantel Gothic and Calendar Clocks

Made by New Haven Clock Co.

Prices Each

SAN RAFAEL—$9.15

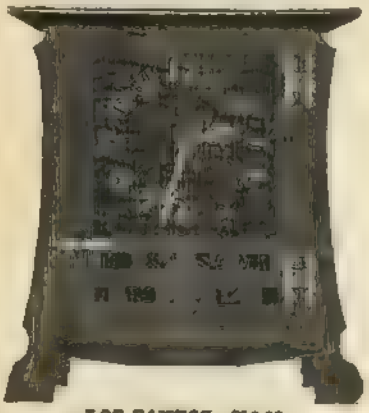
Solid oak Flemish finish, 8-day, half-hour strike, cathedral gong. Height 20½ inches, width 12 inches. 6-inch wood dial. Cast numerals and fancy brass hands.

LOS ALAMOS—$12.65

Solid oak case, Flemish finish, 6-inch wood dial with brass hands and numerals, 8-day, half-hour strike, cathedral gong. Height 14½ inches, width 11[illegible] inches.

SAN PEDRO—$12.65

Solid oak Flemish finish, 8-day half-hour strike, cathedral gong. Height 19 inches, width 12 inches, 6-inch wood dial with cast numerals and fancy brass hands.



LOS SANTOS—$12.65

Solid oak Flemish finish, 8-day, half-hour strike, cathedral gong. Height 18¾ inches, width 12¼ inches, 6-inch wood dial, raised cast numerals and fancy brass hands.

DUCHESS

Oak, height 18¼ inches, width 12 inches, dial 6 inches

8-day strike	[illegible]
8-day strike, cathedral gong	13.55
8-day strike, cathedral gong, alarm	14.35
8-day strike, alarm	[illegible]

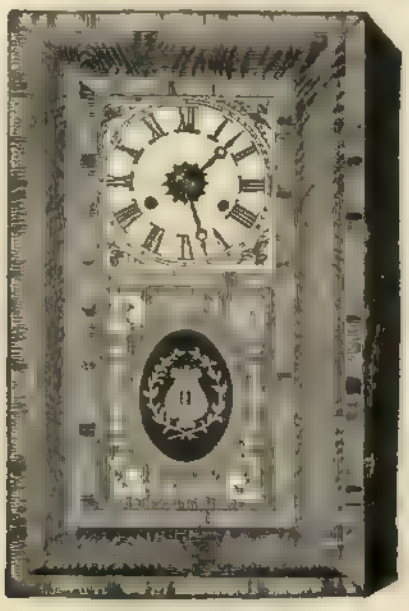
LOS BARRIOS—$12.65

Solid oak, Flemish finish, 8-day, half-hour strike, cathedral gong. Height 11½ inches, width 12½ inches, 6-inch wood dial, raised cast numerals and fancy brass hands.

No. A SHARP GOTHIC

Rosewood, mahogany or zebra veneer, height 21 inches, width 11½ inches. Dial 6 inches.

8-day strike	$10.00
8-day strike, alarm	10.75



No. 2 O. G. WEIGHT

Mahogany or zebra veneered case. Height 26 inches, width 15¼ inches, 8-inch dial.

1-day weight strike, with weights	$14.85
1-day weight strike, alarm, with weights	15.35

No. G SHARP GOTHIC

Rosewood, mahogany or zebra veneer, height 21 inches, width 11½ inches, dial 6 inches.

8-day strike	$14.75
8-day strike, alarm	15.15

Why

The HUDFORD

makes the lowest up-keep 1-ton or 1½-2-ton Truck

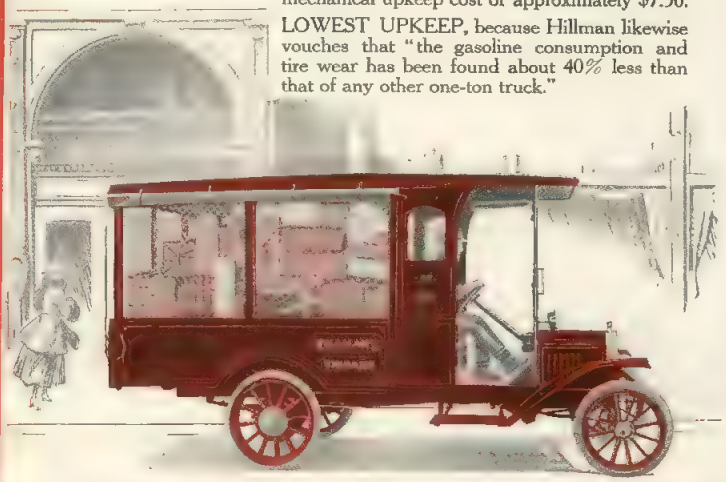
Model A
makes any FORD into a 1-ton Truck f. o. b. Phila. :: **$360**

Model B
makes any FORD into a 1½-2-ton Truck, f.o.b. Phila. **$460**

LOWEST UPKEEP, because the compact shaft drive of the HUDFORD has no chance for the troubles of the many scattered and exposed parts of the chain drive.

LOWEST UPKEEP, because Hillman's, of Chicago, is authority for the statement that a HUDFORD covered about 18,000 miles at a mechanical upkeep cost of approximately $7.50.

LOWEST UPKEEP, because Hillman likewise vouches that "the gasoline consumption and tire wear has been found about 40% less than that of any other one-ton truck."



Why

The HUDFORD

makes the lowest cost 1-ton or 1½-2-ton Truck

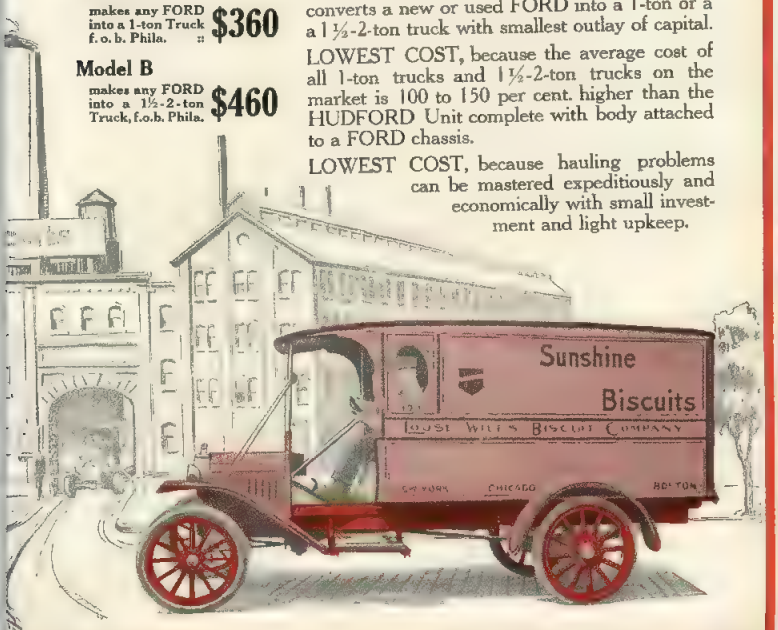
Model A
makes any FORD into a 1-ton Truck f. o. b. Phila. **$360**

Model B
makes any FORD into a 1½-2-ton Truck, f.o.b. Phila. **$460**

LOWEST COST, because a HUDFORD Unit converts a new or used FORD into a 1-ton or a a 1½-2-ton truck with smallest outlay of capital.

LOWEST COST, because the average cost of all 1-ton trucks and 1½-2-ton trucks on the market is 100 to 150 per cent. higher than the HUDFORD Unit complete with body attached to a FORD chassis.

LOWEST COST, because hauling problems can be mastered expeditiously and economically with small investment and light upkeep.



Why

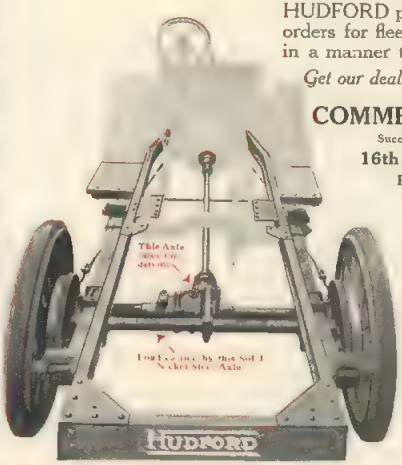
The HUDFORD makes the most profitable 1-ton or 1½-2-ton Truck

MOST PROFITABLE, because there is a national demand for the low first cost and light upkeep HUDFORD.

MOST PROFITABLE, because there is a persistent demand for the most efficient 1-ton, 1½-2-ton HUDFORDS as distinguished from all other attachment units or regular trucks.

MOST PROFITABLE, because every sale of a HUDFORD practically means a repeat order or orders for fleets, as the HUDFORD stands up in a manner to insure a good business future.

Get our dealer proposition TODAY.



COMMERCIAL CAR UNIT CO.

Successors to the HUDFORD COMPANY

16th Street and Glenwood Avenue

PHILADELPHIA, PA., U. S. A.

Model A
makes any FORD into a 1-ton Truck f. o. b. Phila. **$360**

Model B
makes any FORD into a 1½-2-ton Truck, f.o.b. Phila. **$460**

Why

The HUDFORD

makes the most efficient 1-ton or 1½-2-ton Truck

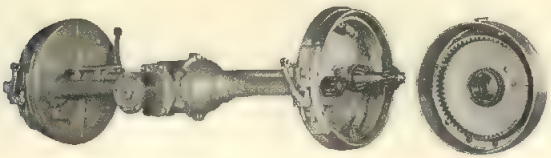
MOST EFFICIENT, because the HUDFORD has an internal gear shaft drive axle, which is the best principle in high grade truck construction and usage.

MOST EFFICIENT, because the HUDFORD shaft drive unit has overwhelming advantages over any form of chain drive—a minimum number of parts and a greater factor of safety, and is guaranteed for one year.

Model A
makes any FORD into a 1-ton Truck f. o. b. Phila. **$360**

Model B
makes any FORD into a 1½-2-ton Truck, f.o.b. Phila. **$460**

MOST EFFICIENT, because the HUDFORD has a solid forged nickle steel axle instead of a built-up, cast and bolted casing to carry the load as is the case with other forms of shaft drive.



In Canada, 68 cents

Our Big National Will Drive Home the Superi-

FOR, mark you, Jumbo Spark Plugs **deserve** national advertising of the very highest type, comparable to the quality of the product itself, now higher than ever before. Jumbo Spark Plugs will always be

Guaranteed for the Life of the Car

Starting with a big, forceful double-page "spread" in the Saturday Evening Post this nation-wide consumer campaign cannot fail to make sales easy for the dealer who handles Jumbo Spark Plugs.

You who see the tremendous possibilities of this wonderful opportunity should be quick to take advantage of it—be **ready** for the demand we shall create for you!

JUMBO SPARK PLUGS

Gibson-Hollister

Boston,

Exclusive Canadian Distributors: Northern Electric Co., Ltd., Montreal.

Advertising Campaign

orities of Jumbo Spark Plugs

Take Advantage of Our Selling-Help

A CAREFULLY compiled system of business-getting literature prepared for your benefit. It includes window transparences, metal igns, display cabinets, etc., as well s a handsome twenty-page booklet rimful of spark plug lore and having aluable tables of plug sizes for all leasure cars and trucks—also a per-ect gem of humor entitled "The Petrolic Peregrinations of Peleg P. ride."

Dealers—In a few days the big ad-ertising campaign will be in full wing. Don't delay—get in touch with your jobber now!

In Canada, 62 cents

obbers Our proposition, giving full details, will be in the mail the same day your etter or wire is received. Let us help you make 1917 the biggest spark plug year 've ever known.

Manufacturing Co.

Mass.

JUMBO SPARK PLUGS

oronto, Ottawa, Halifax, London, Winnipeg, Regina, Calgary, Vancouver

Jumbo Spark Plugs

⅞" 18

⅞"-18 Long

Metric

¼" Pipe

¼" Pipe, Long

Series 100

A big husky plug, built expressly for service in high-speed, high-compress on motors. Note the gigantic insulator of Molite, firmly held in the huge shell. The big, sturdy electrode cannot burn off. Universal terminal connects perfectly with cable terminals on all cars. Optional finish, battleship gray.

PRICE IN SIZES SHOWN ABOVE, 50c

and guaranteed for the life of the car.

⅜"-18

½"-18 Long

Metric

⅛"-Pipe

¼"-Pipe, Long

Series 87

Designed expressly for motors having limited space for insertion and removal of spark plugs. Built to stay on the job under all conditions, and to give a white-hot spark every time an electrical impulse flashes through it. Optional finish, battleship gray.

PRICE IN SIZES SHOWN ABOVE, 45c

and guaranteed for the life of the car.

⅜" 18

Metric

Motor-Cycle Special

can be trusted under all the severe conditions of motor-cycle service. The electrode will NOT burn off—the Molite insulation will not crack from heat. Metric size is also suitable for White truck. Optional finish, battleship gray

Price, Sizes Shown 45c

and guaranteed for the life of the car.

Ford Size

A sturdy plug for the world's "Business Car" Design conforms in all respects to requirements of the Ford engineers. Optional finish, battleship gray

Price, 45c

and guaranteed for the life of the car.

Ford

Gibson-Hollister Manufacturing Company, Boston, Mass.

"They copied all they could follow, but they couldn't copy my mind;
And I left 'em sweating and stealing a year and a half behind."

Kipling.

JUMBO SPARK PLUGS

JUMBO Spark Plugs were **first** in the field with a shell roomy enough for the big, competent insulation demanded by modern ignition conditions—

First and still practically the **only** spark plugs to be equipped with an insulation (Molite) heat-proof in **fact** as well as in **name**—

And now **first** and far **ahead**, with a list price that means, for the car owner, immunity from spark plug trouble at cost within reason—

With trade discounts that mean a ten-times-accelerated "turn over" for the dealer.

The reason is simple. Merely a volume of production which has been called into being by the sheer merit of Jumbo Spark Plugs, plus a four-square sales policy and persistent, consistent advertising.

We have enlarged and re-enlarged our manufacturing facilities, and shall shortly occupy our new factory building, now being rushed to completion.

We have a proposition that is bound to assure **your** success as well as ours.

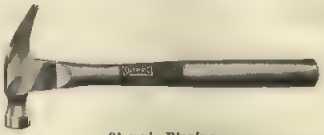
And we are ready to handle your orders.

OLYMPIC NAIL HAMMERS

Olympic Hammers are forged from highest grade tool steel. Have carefully hardened face and claws, and are of very attractive design, full polished heads, hickory handles. Highest grade.

Olympic Nail

No.	111	111½	112	113
Weight, Ounces	20	16	13	7
Per Dozen	$8 75	8 00	7 50	6 75



Olympic Ripping

No.	711	711½	712
Weight, Ounces	19	16	20
Per Dozen	$8 75	8 00	7 50

One Half Dozen in a Box

ALKI NAIL HAMMERS

Alki Hammers are forged from tool steel, well finished and attractive. The best Hammer on the market at the price.

No.	111	111½	112	113
Weight, Ounces	20	16	13	7
Per Dozen	$6 70	6 30	5 90	5 50

One-Half Dozen in Box.

LADIES HAMMERS

Cast Iron, Nickel Plated, Varnished Handle.

No.	N260
Weight, Ounces	6
Per Dozen	$2 00

One Dozen in a Box

MAYDOLE NAIL HAMMERS

Adze Eye, Bell Face

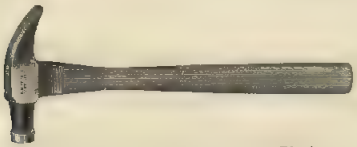
Solid Crucible Cast Steel, Polished, Hickory Handles.

No.	10	11	11½	12	12½	13
Weight, Ounces	25	19	16	12	10	7
Per Dozen	$11 50	8 75	8 00	7 50	7 20	6 75

Adze Eye, Bell Face

Solid Crucible Cast Steel, Nickel Plated, Ebonized Handles

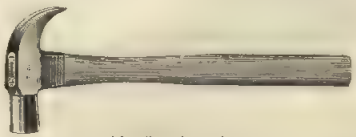
No.	611½
Weight, Ounces	16
Per Dozen	$12 75



Straight Claw, Adze Eye, Bell Face, Ripping

Solid Crucible Cast Steel, Polished, Hickory Handles.

No.	711	711½	712
Weight, Ounces	19	16	12
Per Dozen	$8 75	8 00	7 50



Adze Eye, Plain Face

Solid Crucible Cast Steel, Polished, Hickory Handles.

No.	1	1½
Weight, Ounces	20	16
Per Dozen	$8 75	8 00

One-Half Dozen in a Box

HAMMERS

TACK

No. 25. Polished, with claw — Per Doz. $1 25

One Dozen in a Box.

TACK

No 4. Mall, iron handle, inlaid, hardened face — Doz. $3 50

UPHOLSTERERS

No. 65. Upholsterers solid cast steel, faces assorted ⅜ to ⅝ inches. — Per Doz. $18 00

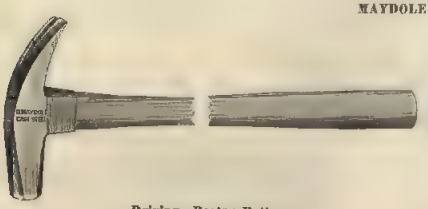
One-Half Dozen in a Box.

SHOEMAKERS

Cast Iron Japanned, Polished Face

No.	025
Weight, ounces	10
Per Dozen	$3 00

MAYDOLES FARRIERS

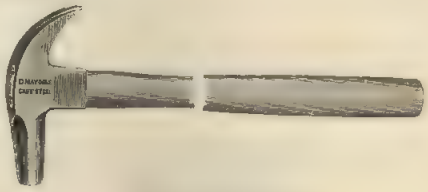


Driving—Boston Pattern

Solid Crucible Cast Steel

No.	152
Weight, ounces	10
Per Dozen	$8 00

One-Half Dozen in a Box. Weights do not include Handles.

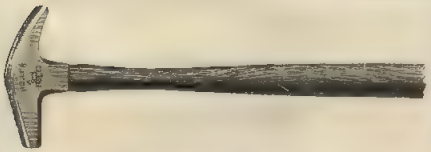


Driving—Round Pattern

Solid Crucible Cast Steel

No.	253
Weight, ounces	8
Per Dozen	$7 00

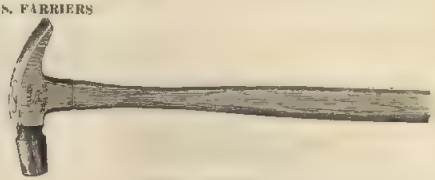
HELLER BROS. FARRIERS



Driving Regular Pattern

No.	64
Per Dozen	$12 00

Weights 12, 13 14 15, 16 and 17 ounces including Handle.



Driving—Heller's Pattern

No.	65
Per Dozen	$15 00

Weights 12, 13, 14, 15, 16 and 17 ounces including Handle.

One-Half Dozen in a Box

ALKI SHINGLING HATCHETS

Extra Quality Cast Steel, Polished Head and Bit, Gold Bronzed.

No.		Per Doz.
1.	Width cut 3½ in., wt. per doz. 21 lbs.	$8 00
2.	Width cut 3⅝ in., wt. per doz. 25 lbs.	8 50

ALKI CLAW HATCHETS

A Good, Standard Grade for General Use.

No.		Per Doz.
1.	Width cut 3½ in., wt. per doz. 21 lbs.	$9 00
2.	Width cut 3⅝ in., wt. per doz. 25 lbs.	9 50

One-Half Dozen in a Box

LATHING HATCHETS

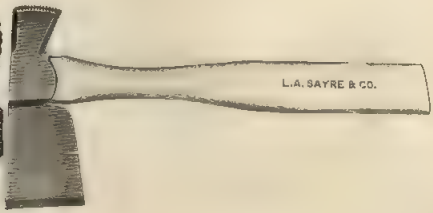
No. 100 Underhill Bros.
Hand made from best cast steel

Nos. 300 and 50 Sayre Chicago Pattern
Solid tool steel, full polished.

No.		Per Doz
100.	81 points, wt. 20 ozs., inc. handle, "Chicago"	$33 00
300.	64 points, wt. 16 ozs. inc. handle, "Boston"	36 00
50.	100 points, wt. 20 ozs., inc. handle, "St. Louis"	40 00
040.	Chicago Pattern, scored head, 81 points, wt. 20 ozs., including handle	18 00
41.	St. Louis Pattern, milled head, 100 points, wt. 20 ozs., including handle	26 00

Nos. 040 and 41

BOX HATCHETS



This Hatchet is used by commission men, fruit growers, etc. It is a general purpose Hatchet, hand forged and the very highest grade of steel, and for general purposes cannot be excelled.

No.		Per Doz.
400.	Oval head, fine score, best crucible steel, weight 12 ounces	$18 00
401.	Flat head, regular score, solid tool steel, weight 12 ounces	15 00
408.	Oval head, fine score, best crucible steel, weight 17 ounces	20 00

One-Half Dozen in a Box

HAMMERS

SCALING HAMMERS OR BOILER PICKS

Solid Cast Steel.

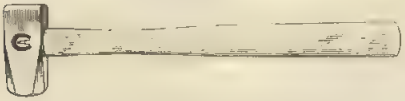
No **1070.** Weight 1 lb., unhandled ..... Per Doz. $15 00

BRICKLAYERS'

Crucible Cast Steel.

No. **162.** Weight 1 lb. 14 oz., polished ..... Per Doz. $14 00
No. **562.** Weight 1 lb. 14 oz., oil finished ..... Per Doz. 12 00
No **563.** Weight 1 lb. 6 oz., oil finished ..... Per Doz. 11 00

One-Third Dozen in a Box. Weights do not include Handles.



PICK POINTING OR PROSPECTORS

Solid Cast Steel, Oil Finish.

No. **262.** Weight 1 lb. 12 oz. ..... Per Doz. $15 00

One-Half Dozen in a Box. Weights do not Include Handles.

DRILL SHARPENING

Solid Cast Steel, Handled

No. **260A.** Weight 1 lb. 6 oz. ..... Per Doz. $16 00

BLACKSMITHS SLEDGES

Cross Pein.

Solid Cast Steel, Polished Face, Oil Finish.

No. **830.** Unhandled. Wt., 6, 8, 10, 12, 14 and 16 lbs. ..... Per Lb. $0 30

Straight Pein.

Solid Cast Steel, Polished Face, Oil Finish.

No. **840.** Unhandled. Wt., 6, 8, 10, 12, 14 and 16 lbs. ..... Per Lb. $0 30

DOUBLE FACE STRIKING HAMMERS

Nevada Pattern.

Solid Cast Steel Polished Face, Oil Finish

No. **750.** Unhandled, weight 3, 3¼, 3½, 4, 4½, 5, 5½, 6, 6½, 7 and 8 lbs. ..... Per Lb. $0 30

Oregon Pattern.

Solid Cast Steel, Polished Face, Oil Finish.

No **760.** Unhandled. Wt., 9, 10, 12, 14, 16, 18 and 20 lbs. ..... Per Lb. $0 30

Genuine Meerschaum Pipes

Synthetic Amber Mouth Pieces in Leather Cases. Illustrations ⅔ Size. Prices Each

No. 6636 ..... $16.70
Plain polished gold filled bands.

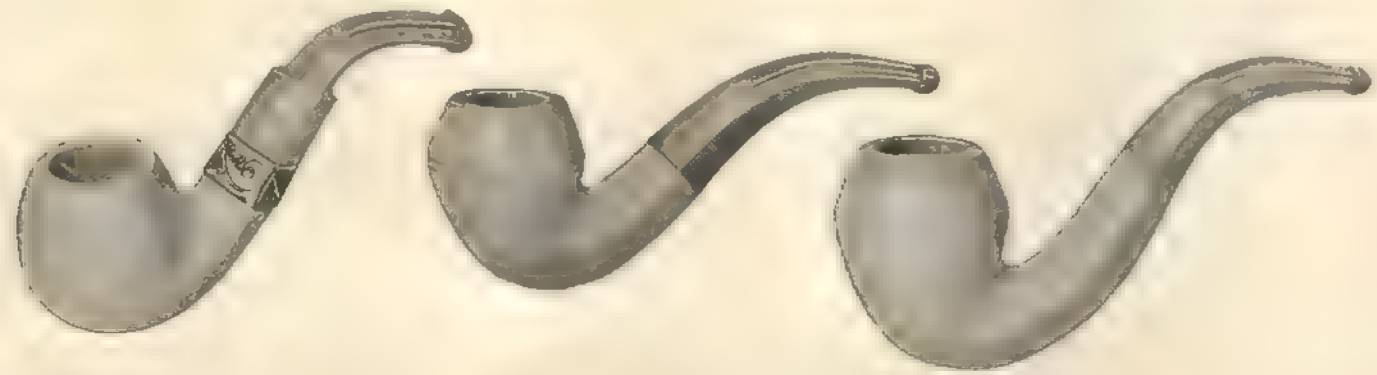
No. 6637 ..... $13.35
Polished and chased gold filled bands.

No. 6638 ..... $15.00
Polished and chased gold filled bands.

No. 6639 ..... $15.00
Polished and chased gold filled bands.

No. 6640 ..... $13.35
Polished and chased gold filled bands.

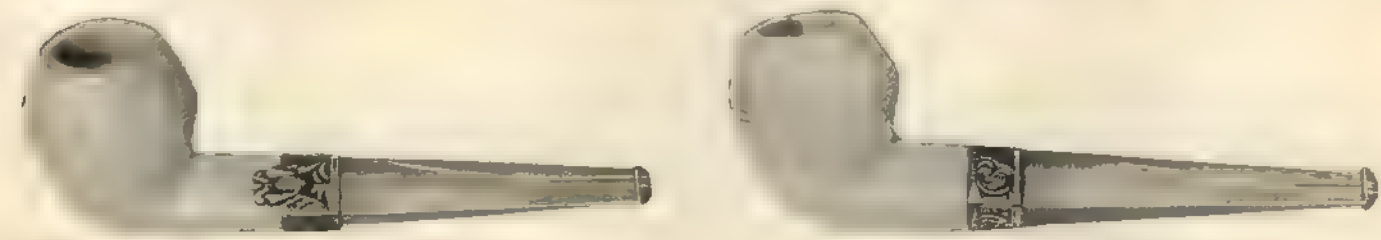
No. 6641 ..... $13.35
Polished and chased gold filled bands.



No. 6642 ..... $13.35
Polished and chased gold filled bands.

No. 6643 ..... $11.25
Plain without mountings.

No. 6644 ..... $6.70
Vienna meerschaum, without mounting.



No. 6645 Sterling Sphinx head on gold filled band $13.20

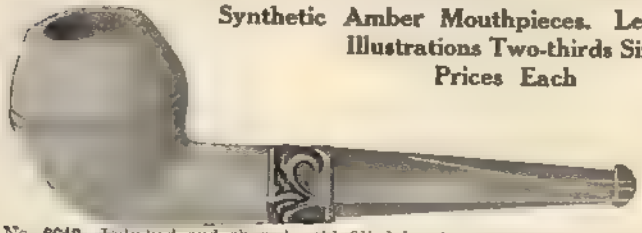
No. 6646 Polished and chased gold filled band 15.00

No. 6647 Plain gold filled bands 14.20

No. 6648 Polished and chased gold filled bands 14.50

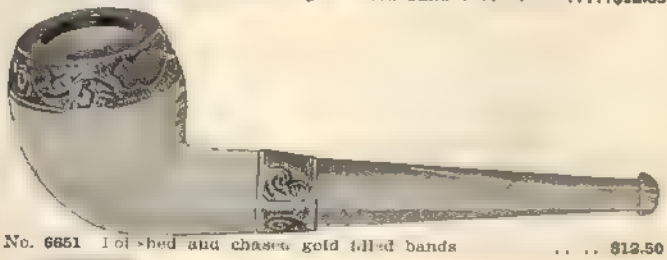
Genuine Meerschaum Pipes, Cigar and Cigarette Holders

Synthetic Amber Mouthpieces. Leather Cases.
Illustrations Two-thirds Size
Prices Each



No. 6649 Polished and chased gold filled band $12.85

No. 6650 Polished and chased gold filled bands $13.35



No. 6651 Polished and chased gold filled bands $12.50

No. 6652 Polished and chased gold filled bands . . . $12.50

No. 6653 Without mountings $9.20

No. 6654 Vienna meerschaum without mountings . $9.20

CIGAR HOLDER

No. 6655 . . . . . $5.25
Genuine meerschaum, synthetic amber stem, polished and chased band.

CIGAR HOLDERS

No. 6658.....$4.20
Polished gold filled mounting.
No. 6659.....$3.65
No mountings.
Fine synthetic amber.

CIGARETTE HOLDER

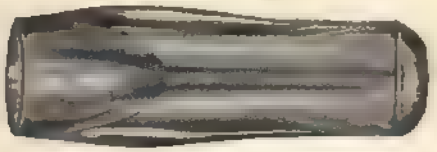
No. 6656 . . . . . $3.35
Genuine meerschaum, synthetic amber stem, plain polished band gold filled.

CIGAR HOLDER

No. 6657 . . . . . $3.35
Genuine meerschaum, synthetic amber stem, polished and chased band

CIGARETTE HOLDER

No. 6660 . . . . . $3.00
Genuine meerschaum, synthetic amber stem.



CIGAR HOLDER

No. 6661 . . . . . $4.20
Fine synthetic amber. No mountings.

CIGARETTE HOLDERS

No. 6662 Gold filled mounting $3.50
No. 6663 . . . . . 3.20
No mountings. Fine synthetic amber.

CIGARETTE HOLDER

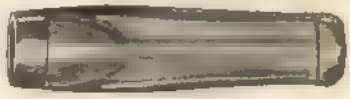
No. 6664 . . . . . $4.35
Polished gold filled mountings. Fine synthetic amber.

CIGAR HOLDER

No. 6665 . . . . . $3.10
Polished gold filled band.
Fine synthetic amber.

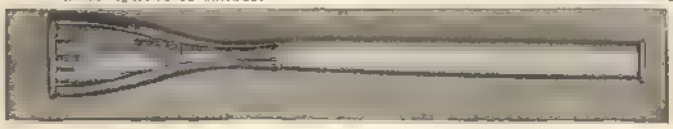
CIGARETTE HOLDER

No. 6666 . . . . . $2.00
Fine real amber stem, polished sterling silver holder.
In lined paper box.



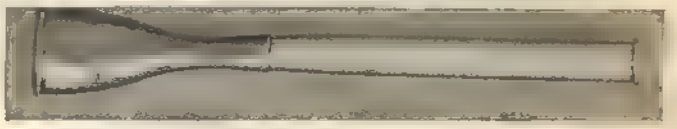
CIGARETTE HOLDERS

No. 6667 . . . . . $2.95
Polished gold filled band
No. 6668 . . . . . 2.80
No mountings
Fine synthetic amber



CIGARETTE HOLDER

No. 6669 . . . . . $1.70
Sterling silver, engine turned holder, two quill stems, in paper box.



CIGARETTE HOLDER

No. 6670 . . . . . $0.95
Polished sterling silver holder, two quill stems, in paper box

Genuine Calabash and French Briar Pipes

All Have Synthetic Amber Stems Except No. 6671. Illustrations 2 3 Size Except No. 6673. All Briar Pipes Have Leather Cases.

PRICES EACH.

No. 6671 ..... $5.45
Real calabash with meerschaum removable bowl silver band hard rubber stem

No. 6672 ..... $10.00
Sterling silver band, gold plated gold filled raised ornaments.

No. 6673 ..... $6.20
Gold filled ornaments, polished and chased Illustration ⅔ size.

No. 6674 .. $7.85
Gold filled band with silver raised ornaments

No. 6675 Polished and chased bands... $5.35

No. 6676 Polished and chased bands $5.70

No. 6677 Polished and chased bands .. $5.45

No. 6678 Polished and chased bands $5.45

No. 6679 Polished and chased bands $4.50

No. 6680 Polished and chased band....$4.50

No. 6681 Polished and chased bands $4.50

No. 6682 Polished and chased bands.

No. 6683 Polished and chased band.. $6.70

No. 6684 Polished and chased bands.....$6.00

No. 6685 Polished and chased bands $5.20

No. 6686 Polished and chased bands.. ..$3.35

Genuine French Briar Pipes

With Synthetic Amber Stems and Leather Cases. Illustration One-half Size. Prices Each.

No. 6687 Polished and chased band.....$5.00

No. 6688 Polished and chased bands.....$4.70

No. 6689 Polished gold filled band.....$5.00

No. 6690 Polished and chased bands.....$3.70

No. 6691 Polished and chased band.....$2.00

No. 6692 Polished and chased bands.....$5.00

Fine French Briar Pipes

Synthetic Amber Stems. Gold Plated Mountings. No Cases. Prices Each.

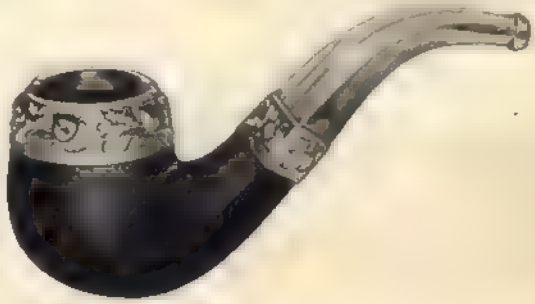
No. 6693 Polished gold plated bands.....$2.95

No. 6694 Polished gold plated bands.....$2.95

No. 6695 Polished gold plated bands.....$2.95

No. 6696 Polished gold plated bands.....$2.95

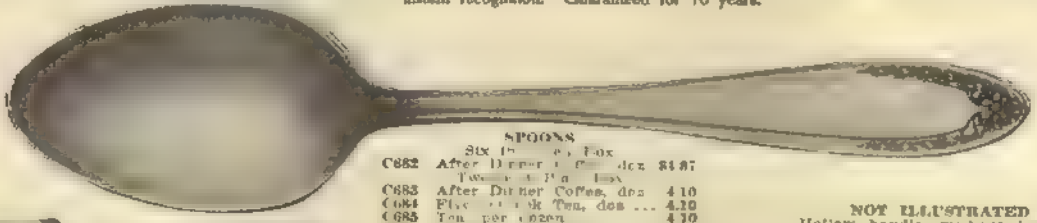
No. 6697 Polished gold plated bands.....$2.95



No. 6698 Polished gold plated bands.....$2.95

ONEIDA COMMUNITY
PAR PLATE

The Bridal Wreath Pattern in ONEIDA COMMUNITY Par Plate exemplifies the combination of graceful outlines and simplicity of ornament. This treatment has produced a design unusual in its appeal. We offer this Bridal Wreath as a "best seller," confident that its charm will meet instant recognition. Guaranteed for 10 years.



SPOONS
Six in Box, Two in Plush Box

C682	After Dinner Coffee, doz	$4.07
C683	After Dinner Coffee, doz	4.10
C684	Place or Bulk Tea, doz	4.20
C685	Tea, per dozen	4.30
C686	Dessert, per dozen	7.61
C687	Table, per dozen	8.20

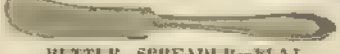
FLAT HANDLE FORKS
Six in Plush Box

C688	Medium, per dozen	$8.20
C689	Dessert, per dozen	7.53

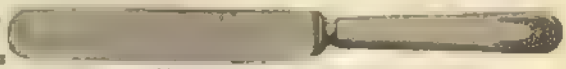
NOT ILUSTRATED
Hollow handle medium knives, 6 in racked box
C687½ Per dozen $26.46

NOT ILLUSTRATED
Solid handle fruit knives
C689½ Six in racked box per dozen . . $9.05

SUGAR SPOON
C692 Per set $7.90
C693 Each .83

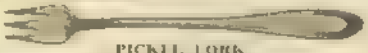


BUTTER SPREADER—FLAT
C694 Six in Lined box, set $7.02



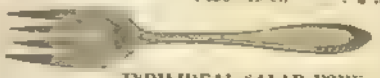
SOLID HANDLE EMBOSSED KNIVES
Six in Racked Box
C690 Medium, per dozen $10.40
C691 Dessert, per dozen 10.07

BUTTER KNIFE
C695 Per doz $8.73
One in Lined Box
C696 Each . $ .94

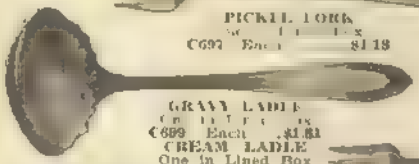


PICKLE FORK
Six in Lined Box
C697 Each $1.18

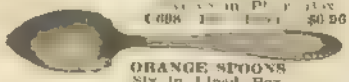
ICED TEA SPOON
Six in Plush Box
C698 Per set $6.96



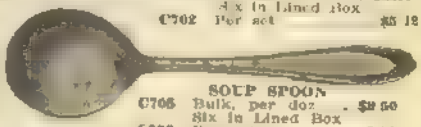
INDIVIDUAL SALAD FORK
Six in Lined Box
C702 Per set $5.12



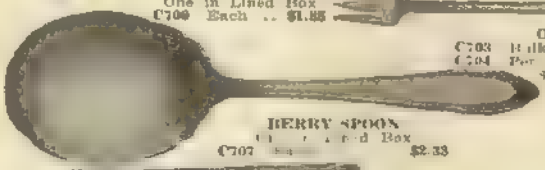
GRAVY LADLE
One in Lined Box
C699 Each .$1.61
CREAM LADLE
One in Lined Box
C700 Each .. $1.85



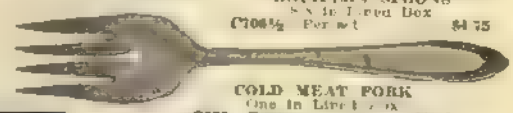
ORANGE SPOONS
Six in Lined Box
C701 Per set .$3.68



SOUP SPOON
C705 Bulk, per doz . $2.50
Six in Lined Box
C706 Per set 5.20
BOUILLON SPOONS
Six in Lined Box
C706½ Per set $4.75

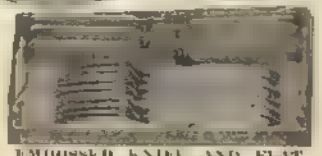


OYSTER FORK
C703 Bulk, per doz $7.37
C704 Per set 4.06
Six in Lined Box



COLD MEAT FORK
One in Lined Box
C708 Each . . $1.50

BERRY SPOON
One in Lined Box
C707 Each $2.33

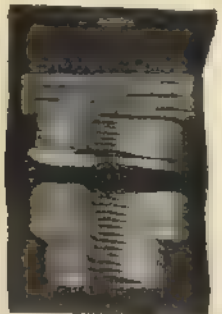


EMBOSSED KNIFE AND FLAT FORK SET
C709 Medium set . $9.98
C710 Dessert set ... 9.55

THREE-PIECE CHILD SET, FLAT KNIFE
C711 In Lined Box, per set $2.83

26-PIECE OAK-FINISH CHEST WITH DRAWER
Contents 6 teaspoons, 6 flat medium forks, 6 hollow handle knives, 6 tablespoons, 1 butter knife 1 sugar shell
C713 Per set $19.40
C714 Mahogany finish chest, set 19 40
Prices on other pattern same price.

57-PIECE OAK-FINISH CHEST WITH DRAWER
Contents 12 teaspoons, 12 tablespoons, 6 soup spoons, 6 hollow handle knives, 6 medium forks, 6 meat forks, 6 hollow handle knives, 6 individual salad forks, 6 flat medium forks, 1 butter knife, 1 sugar shell, 1 cold meat fork, 1 berry spoon, 1 gravy ladle, 1 cream ladle
C715 Per set $50.27
Prices on other pattern same price.



26-PIECE OAK FIBRE CHEST WITH DRAWER
Contents 6 teaspoons, 6 flat medium forks, 6 hollow handle knives, 6 tablespoons, 1 butter knife, 1 sugar shell
C716 Per set 8.37
Prices on other pattern same price.

BRIDAL WREATH DESIGN

Booklet of Consumers Prices on all pieces and sets supplied upon request

Alvin Silver Plated Flatware

"LONG LIFE" Quality plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and insure the longest life.

1863 1917

Teaspoon Actual Size, Balance Reduced Size

MOLLY STARK PATTERN, French Gray

Fancy Pieces Put Up in Lined Boxes

COLD MEAT FORK

No. C731 Silver tines ..... each $2.50
No. C732 Gilt tines ..... each 3.37

LADLES

No. C735 Cream, silver bowl ..... each $2.60
No. C736 Cream, gilt bowl ..... each 3.50
No. C737 Gravy, silver bowl ..... each 3.30
No. C738 Gravy, gilt bowl ..... each 4.55
No. C739 Medium, silver bowl ..... each 9.25

BUTTER KNIFE AND SUGAR SHELL

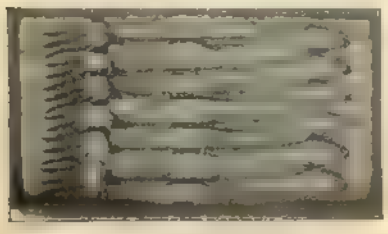
No. C742 Plain ..... per set $4.00

SIX ORANGE OR GRAPE FRUIT SPOONS

No. C745 Silver bowls ..... per set $7.13
No. C746 Gilt bowls ..... per set 10.96

SIX BUTTER SPREADERS

No. C749 Silver blades ..... per set $3.15



SIX OYSTER FORKS

No. C750 Silver tines ..... per set $6.50

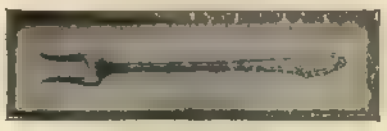
No.		Dozen
C719	Teaspoons	$10.40
C720	Dessert spoons	18.80
C721	Tablespoons	20.80
C722	Dessert fruit spoons, hollow handle	18.80
C723	Medium size spoons, hollow handle	20.80
C724	Sugar shells	23.35
C725	Butter knives	26.27
C726	Coffee spoons	10.40
		Each
C726	Pie servers, hollow handle	$ 5.61
C727	Sugar tongs	2.82
C728	Cheese server, hollow handle	3.00
C729	Tomato server	5.50
C730	Iced tea spoons	per doz. 14.27

For Child and Baby Sets to Match See Page 475

For Fruit Knives to Match See Page 474

BERRY SPOONS

No. C733 Silver bowl ..... each $3.85
No. C734 Gilt bowl ..... each 5.50



PICKLE FORK

No. C740 Silver tines ..... each $1.35
No. C741 Gilt tines ..... each 1.93

SIX INDIVIDUAL SALAD FORKS

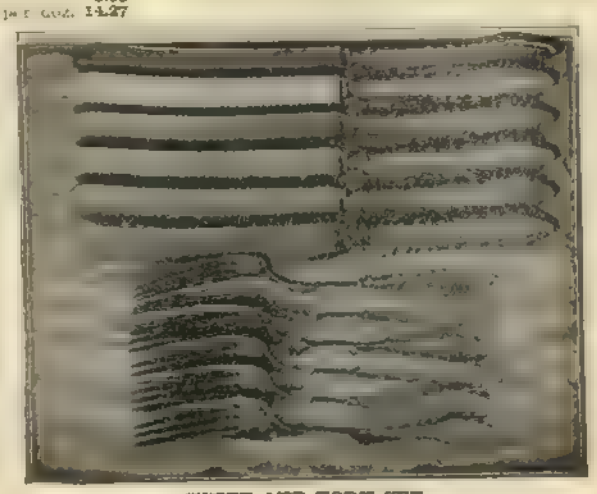
No. C743 Silver tines ..... per set $ 9.80
No. C744 Gilt tines ..... per set 13.56

SIX BOUILLON SPOONS

No. C747 Silver bowls ..... per set $3.68

SIX SOUP SPOONS

No. C748 Silver bowls ..... per set $10.20



KNIFE AND FORK SET

Hollow handle knives. 6 flat handle forks.

No. C751 Medium ..... per set $27.10
No. C752 Dessert ..... per set 25.73

Alvin Silver Plated Flatware

1863 1917

"LONG LIFE" Quality plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and ensure the longest life.

Teaspoon Actual Size, Balance Reduced Size.

GEORGE WASHINGTON PATTERN

BRIGHT FINISH

Fancy Pieces Put Up in Lined Boxes.

BERRY SPOON

No. C772 Silver bowl . . . . . each $3.85
No. C773 Gilt bowl . . . . . each 6.50

HOLLOW HANDLE CHEESE CUTTER

No. C776 Silver blade . . . . . each $3.00

SIX BOUILLON SPOONS

No. C779 Silver bowls . . . . . per set $3.68

SIX SOUP SPOONS

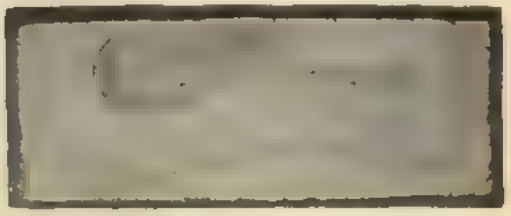
No. C780 Silver bowls . . . . . per set $10.20

COLD MEAT FORK

No. C774 Silver tines . . . . . each $2.50
No. C775 Gilt tines . . . . . each 3.37

STRAIGHT HANDLE BABY SPOON

No. C777 Silver bowl . . . . . each $1.35
No. C778 Gilt bowl . . . . . each 1.75



BUTTER KNIFE AND BUTTER SPREAD

No. C781 Silver blade and bowl . . . . . per set $4.00

FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475

FOR FRUIT KNIVES TO MATCH, SEE PAGE 474

SIX BUTTER SPREADERS

No. C782 Silver blades . . . . . per set $2.18

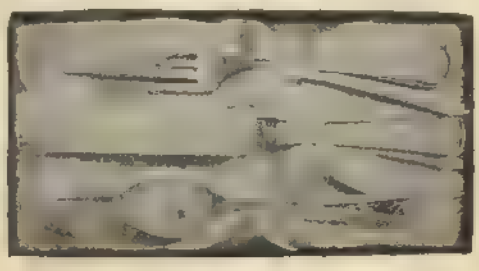
No.			
C753	Teaspoons	doz	$10.40
C754	Dessert spoons	doz	18.80
C755	Tablespoons	doz	20.80
C756	Dessert forks, spoon handle	doz	18.80
C757	Medium forks, spoon handle	doz	20.80
C758	Sugar shells	each	23.35
C759	Butter knives	doz	26.27
C760	Coffee spoons	doz	10.40
C761	Individual forks	doz	16.20
C762	Pie servers, solid blade handle	doz	69.87
C763	Sugar tongs	doz	33.80
C764	Individual salads	doz	14.27
C765	Cream ladle, silver bowl	each	2.60
C767	Cream ladle, gilt bowl	each	3.50
C768	Gravy ladle, silver bowl	each	3.30
C769	Gravy ladle, gilt bowl	each	4.55
C770	Soup ladle, silver bowl	each	9.25
C771	Tomato server	each	5.50

SIX ORANGE OR GRAPE FRUIT SPOONS

No. C783 Silver bowls . . . . . per set $ 7.13
No. C784 Gilt bowls . . . . . per set 10.96

SIX OYSTER FORKS

No. C785 Silver tines . . . . . per set $6.50



3-PIECE CHILD'S SET

No. C786 Hollow handle knife . . . per set $5.34

SIX INDIVIDUAL SALAD FORKS

No. C787 Silver tines . . . . . per set $ 9.80
No. C788 Gilt tines . . . . . per set 13.55

Alvin Silver Plated Flatware

1863 1917

"LONG LIFE" Quality plate which will satisfy the most particular customer. It is produced with the same care, skill and attention to details as sterling silver. Each piece is heavily plated with a uniform weight and thickness of pure silver to resist the hardest wear and ensure the longest life.

TEASPOON ACTUAL SIZE, BALANCE REDUCED SIZE

LA FAYETTE PATTERN
French gray

COLD MEAT FORK

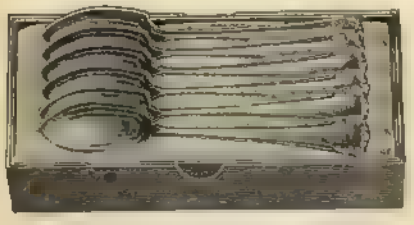
No. C802 Silver tines . . . . . each $2.50
No. C803 Gilt tines . . . . . each 3.37

LADLES

No. C806 Cream, silver bowl . . . . . each $2.50
No. C807 Cream, gilt bowl . . . . . each 3.50
No. C808 Gravy, silver bowl . . . . . each 3.30
No. C809 Gravy, gilt bowl . . . . . each 4.55
No. C810 Medium, silver bowl . . . . . each 9.25

BUTTER KNIFE AND SUGAR SHELL

No. C813 Plain . . . . . per set $4.00



SIX ORANGE OR GRAPE FRUIT SPOONS

No. C817 Silver bowls . . . per set $ 7.13
No. C818 Gilt bowls . . . . per set 10.96

SIX BUTTER SPREADERS

No. C821 Silver blades . . . . . per set $8.18

SIX OYSTER FORKS

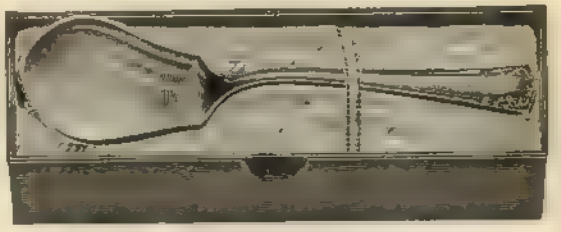
No. C822 Silver tines . . . . . per set $8.50

No.		Per doz.
C789	Teaspoons	$10.40
C790	Dessert spoons	18.80
C791	Tablespoons	20.80
C792	Dessert forks, spoon handle	18.80
C793	Medium forks, spoon handle	20.80
C794	Sugar shells	23.35
C795	Butter knives	26.27
C796	Coffee spoons	10.40
C797	Iced tea spoons	14.27
		each
C798	Pie servers, hollow handle	5.81
C799	Sugar tongs	2.82
C800	Cheese server, hollow handle	3.00
C801	Tomato server	5.50

FOR CHILD AND BABY SETS TO MATCH, SEE PAGE 475.

FOR FRUIT KNIVES TO MATCH, SEE PAGE 474.

FANCY PIECES PUT UP IN LINED BOXES



BERRY SPOONS

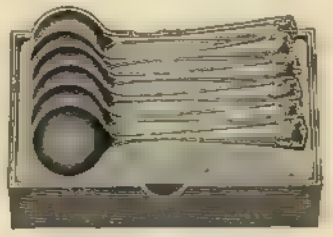
No. C804 Silver bowl . . . . . each $3.65
No. C805 Gilt bowl . . . . . each 5.50

PICKLE FORK

No. C811 Silver tines . . . . . each $1.35
No. C812 Gilt tines . . . . . each 1.93

SIX INDIVIDUAL SALAD FORKS

No. C815 Silver tines . . . . . per set $ 9.80
No. C816 Gilt tines . . . . . per set 13.65

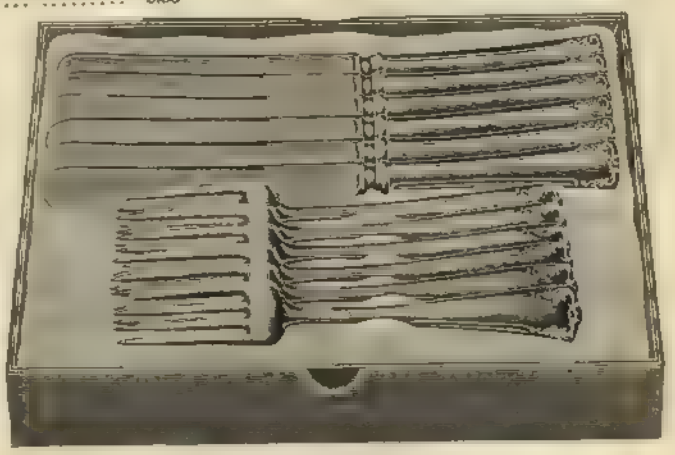


SIX BOUILLON SPOONS

No. C819 Silver bowls . . . per set $8.68

SIX SOUP SPOONS

No. C820 Silver bowls . . . per set $10.20



KNIFE AND FORK SET

Six hollow handle knives. Six flat handle forks.

No. C823 Medium . . . . . per set $27.10
No. C824 Dessert . . . . . per set 25.73

COMMUNITY SILVER PLATE

THE new Patrician design in COMMUNITY SILVER PLATE finds its motif in the fine old English octagonal silver; but a motif transmuted here into a perfection of polished planes and beautiful outlines. The Patrician is the latest and perhaps the most successful effort of the Community to supply silverware which will satisfy people of discriminating taste.

SPOONS

Six in Lined Box

		Per Doz.
No. C100	After Dinner Coffee	$10 87

Six in Unlined Box

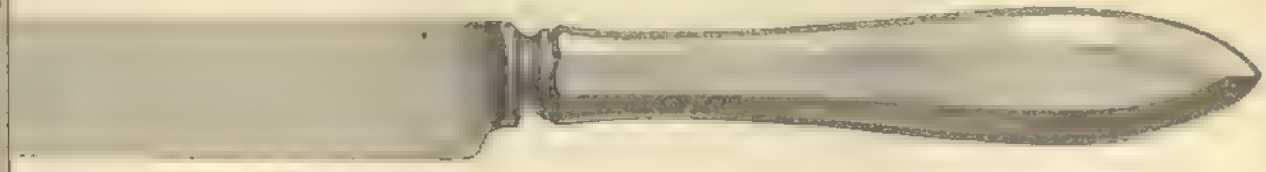
No. C102	Five O'clock Tea ..	10 87
No. C103	Tea	10 87
No. C104	Dessert	19 47
No. C105	Table ...	21 74

		Per Doz.
No. C101	Gilt, After Dinner Coffee ..	$16 61

FLAT HANDLE FORKS

Six in Unlined Box.

No. C106	Dessert	Per Doz. $1[illegible] 47
No. C107	Medium	Per Doz. 21 74



HOLLOW HANDLE KNIVES

Six in Flannel Roll

No. C108	Medium	Per Doz. $33 40
No. C109	Dessert	Per Doz. [illegible]
No. C110	Short Dessert	Per Doz. [illegible]
No. C110½	Short Dessert	Per Doz. 33 40

HOLLOW HANDLE FORKS

Six in Flannel Roll

No. C111	Medium	Per Doz. $33 40
No. C112	Dessert	Per Doz. 32 67

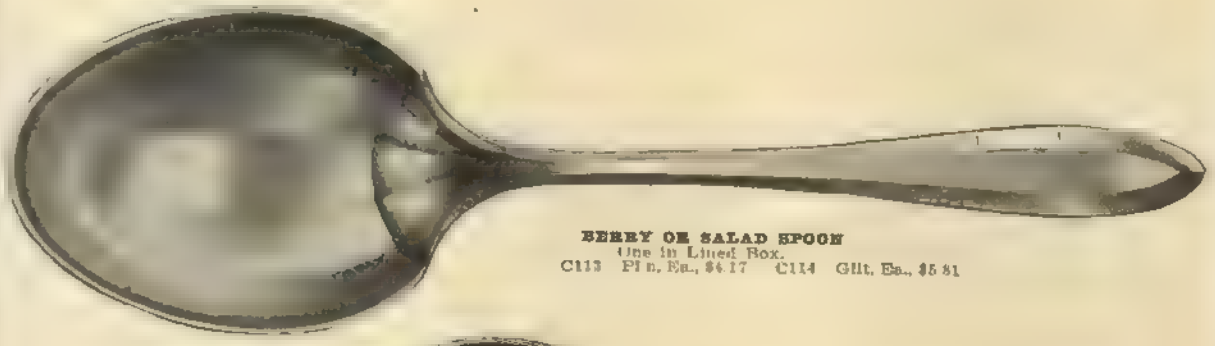
Reproduction size

PATRICIAN DESIGN

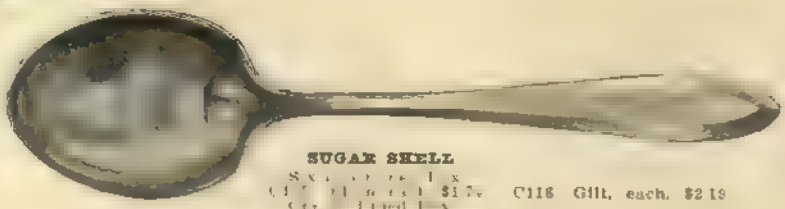
Booklet of Consumers Prices on all pieces and sets supplied upon request.

COMMUNITY PLATE

PATRICIAN

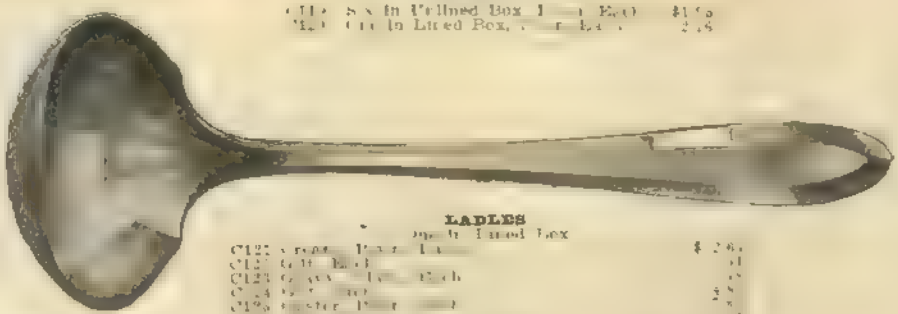


BERRY OR SALAD SPOON
One in Lined Box.
C113 Plain, Ea., $4.17 C114 Gilt, Ea., $5.81

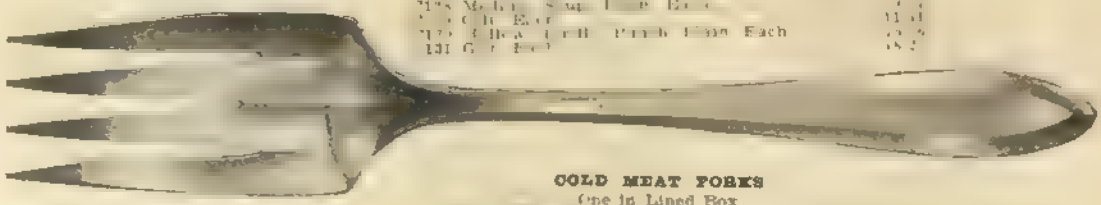


SUGAR SHELL
S[illegible]
C[illegible] $1.7[illegible] C116 Gilt, each, $2.19
C[illegible] Lined Box
C117 [illegible] each, $[illegible] C118 Gilt each, $2.[illegible]

BUTTER KNIFE
C[illegible] S[illegible] in Velvet Lined Box [illegible] Each $1.[illegible]
C[illegible] [illegible] in Lined Box, [illegible] Ea. [illegible]



LADLES
One in Lined Box
C12[illegible] [illegible] $ 2.[illegible]
C12[illegible] [illegible]
C12[illegible] [illegible] Each
C[illegible] [illegible]
C12[illegible] [illegible]
C12[illegible] [illegible]
C1[illegible] [illegible] each, Each
C12[illegible] [illegible]
C12[illegible] [illegible]
C12[illegible] [illegible] Each
131 [illegible]



COLD MEAT FORKS
One in Lined Box
C[illegible] [illegible] each [illegible] $2.[illegible]
C[illegible] [illegible]

Reproduced from [illegible]

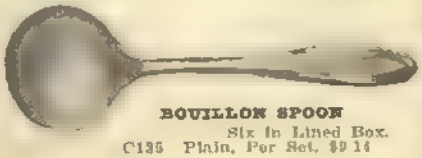
PATRICIAN DESIGN

Booklet of Consumers Prices on all pieces and sets supplied upon request.

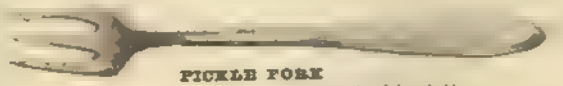
COMMUNITY PLATE

PATRICIAN

SOUP SPOON
Six in Unlined Box
C134 Per Dozen, $21 73



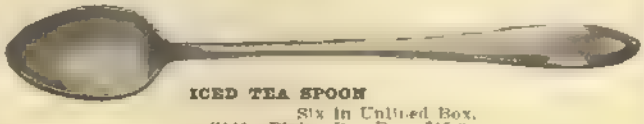
BOUILLON SPOON
Six in Lined Box.
C135 Plain, Per Set, $9 14



PICKLE FORK
One in Lined Box.
C136 Plain, Each, $2 0
C137 Gilt, Each, $2 0

ORANGE SPOON
Six in Lined Box.
C138 Plain, Per Set, $7 64
C139 Gilt, Per Set, $10 67

FLAT HANDLE BUTTER SPREADER
Six in Lined Box.
C140 Plain, Per Set, $8.54



ICED TEA SPOON
Six in Unlined Box.
C141 Plain, Per Doz, $15 28

OYSTER FORK
Six in Lined Box.
C142 Per Set, $6 97

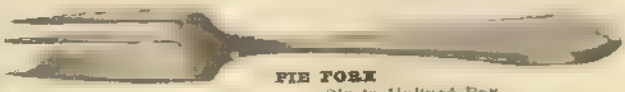
SUGAR TONGS
One in Lined Box
C143 Each, $2 96

HOLLOW HANDLE ORANGE KNIFE
Six in Lined Box.
C144 Per Set, $16 34

HOLLOW HANDLE FRUIT KNIFE
Six in Lined Box
C145 Per Set $15 47

HOLLOW HANDLE FORK
Six in Flannel Roll
C146 Medium, Per Doz. $33 73
C147 Dessert, Per Doz., 32 67

HOLLOW HANDLE BUTTER SPREADER
Six in Lined Box
C148 Per Set, $15 47



PIE FORK
Six in Unlined Box.
C149 Per Doz. $19 47

INDIVIDUAL SALAD FORK
Six in Lined Box
C150 Plain Per Set $11 2
C151 Gilt Per Set 12 5

HOLLOW HANDLE PIE SERVER
One in Lined Box.
C152 Each, $5 31

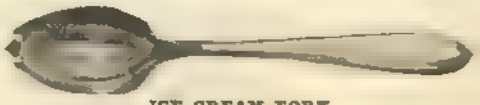
Reproduced actual size

PATRICIAN DESIGN

Booklet of Consumers Prices on all pieces and sets supplied upon request.

COMMUNITY PLATE

PATRICIAN



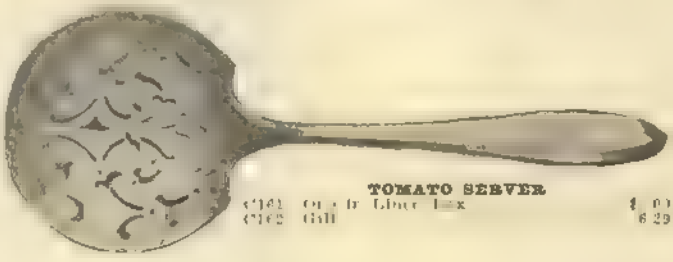
ICE CREAM FORK
Set in Lined Box.
C153 Plain, Per Set.....$ 6 07
C154 Gilt, Per Set 11.30

HOLLOW HANDLE CHEESE SERVER
One in Lined Box.
C155 Each $3 03

PRESERVE SPOON
One in Lined Box
C156 Plain, Each $1 0
C157 Gilt Each 3 93

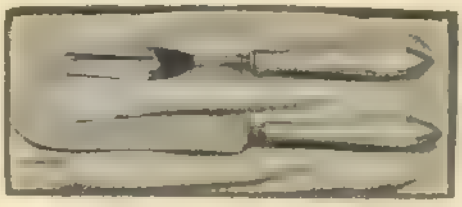
BABY SPOON
One in Lined Box.
C158 Plain, Each $1
C159 Gilt Each .. 1 85

BABY FORK
One in Lined Box
C160 Plain $1 3



TOMATO SERVER
C161 One in Lined Box $ 0
C162 Gilt 6 29

THREE PIECE CHILD SET
One Set in Lined Box
C163 Hollow Handle Knife, Per Set $1
C164 Flat Nickel Knife, Per Set. 4



SMALL CARVING SET
One Set in Lined Box
C165 Per Set $10.47

BUTTER KNIFE AND SUGAR SHELL SET
C166 Per Set $3 93
C167 Gilt Sugar 4 38

LARGE CARVING SET
One Set in Lined Box.
C168 Per Set $24.09

12 Piece Hollow Handle Knife and Flat Fork Sets
C169 6 Flat Medium Forks and 6 Hollow Handle Medium Knives $28
C170 6 Flat Dessert Forks and 6 Hollow Handle Dessert Knives 26
C171 6 Flat Medium Forks and 6 Hollow Handle Scim Swaged, Medium Knives
C172 6 Flat Dessert Forks and 6 Hollow Handle Scim Swaged Dessert Knives

PATRICIAN DESIGN

Booklet of Consumers Prices on all pieces and sets supplied upon request.

THE PROOF OF THE PULLMAN IS IN ITS PERFORMANCE

$860 F. O. B. FACTORY

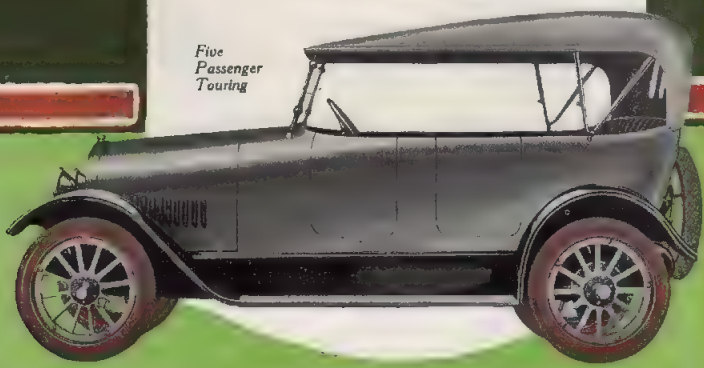
WHETHER you sell mostly by actual demonstration or by word of mouth, your future as a dealer depends solely on the PERFORMANCE of the car you handle. There are plenty of low-price cars available to the dealer, but there are *mighty few that can stand up to the acid test of sure performance.*

When you demonstrate with a Pullman model you can be certain your demonstrator *will back up every point of your show-room talk.*

Add to this certainty of operation the greatest collection of standardized, expensive accessories ever furnished a car within a thousand of the price, and you have the utmost value possible to offer your prospects.

(Read the "reasons why" on page three of this insert)

Five Passenger Touring



Expensive Mechanical Equipment and Oversize Parts

THE Pullman motor (four-cylinder, L-head, cast en bloc, with oversize valves, husky crank shaft and big crank shaft bearings) is making an amazing reputation for pulling ability. Stromberg carburetion and Dixie, high tension, magneto ignition are expensive, but *during fourteen years' experience building fine cars we have never sacrificed quality for quick profit.*

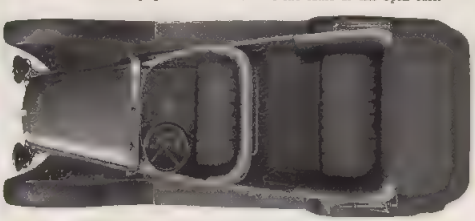
The Pullman has eighty and one-half inches of spring suspension to its 114-inch wheel base. (50½-inch full cantilever rear springs.) You know what that means in the way of easy riding over any road. Genuine leather upholstery and deep, French plaited cushions enhance this road luxury. Eleven operations of sand blasting, coating, painting, rubbing and varnishing give the Pullman bodies their smooth, sparkling finish of dark green and black. The bodies are Pullman factory built, and they are bigger and roomier than most low-priced, 6-cylinder, "7-Passenger" cars.

Another big dealer advantage is the wide variety of models of the 1917 Pullman line.

There are three open pleasure cars—the 5-passenger touring, the 4-passenger or "Chummy" roadster and the convenient 2-passenger roadster, all at $860, f.o.b. factory.

The enclosed model for 1917 is the CONVERTIBLE SEDAN DE LUXE selling at $1400 with C-H Magnetic Gear Shift, or $1275 without the C-H Magnetic Gear Shift. The Sedan is a 5-passenger car, with divided front seats, removable side panels, removable winter doors, with extra summer doors as standard equipment. It is finished in rich blue and black with real leather upholstery, ceiling and lining. The mechanical equipment and chassis are the same as the open cars.

$860 Pullman F.O.B. Factory



Roominess that is apparent at a glance

$860
Pullman
F.O.B. Factory

A Dozen Reasons Why

114-inch wheel base.

50½-inch full cantilever rear springs.

Four-cylinder, L-head motor, 32 h. p. by actual brake test.

Two-unit starting and lighting equipment.

Stromberg carburetor, new type float feed.

Genuine full floating rear axle.

Thermo-syphon cooling system.

Equalized brakes with Raybestos brake lining.

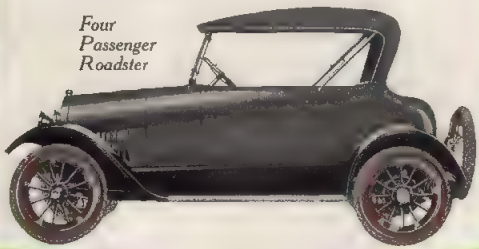
Seventeen-gallon gas tank in rear, Carter vacuum feed.

Genuine honeycomb radiator—extra large tank.

31 x 4-inch, red wall, Firestone non-skid tires on all four wheels.

True stream line, custom-made body, Pullman green and black, with real leather plaited upholstery and extra deep cushions.

Four Passenger Roadster



Plenty of leg room for four six-footers

THE FACTORY BEHIND THE CAR

Stability—Cooperation

NEXT to dollar-for-dollar value and sure performance, the most important assurance of dealer profits *and lasting dealer success* is factory backing —cooperation all along the line.

Pullman dealers are Pullman dealers for life because right down in the bed-rock foundation of our policy is constant attention to the men who are on the selling line. This cooperation is backed up by the sort of factory organization only years of experience can build.

It means that your parts are in your shop when you want them; that car deliveries come through *when promised;* that adjustments are made *quickly* and *smoothly;* that our Dealer Service Department and our Sales and Advertising departments are *right at your elbow all the time.*

When a Pullman dealer signs up he joins the Pullman Dealers' Association, an organization that is constantly in touch with the factory executives, with a voice in sales and manufacturing conferences.

The car is right. The 1917 line is fully rounded to meet every consumer demand. The factory is powerful in its efficiency and its financial responsibility.

WRITE FOR LITERATURE

THE PULLMAN MOTOR CAR CORP.

Established 1903 YORK, PA.

Convertible Sedan De Luxe

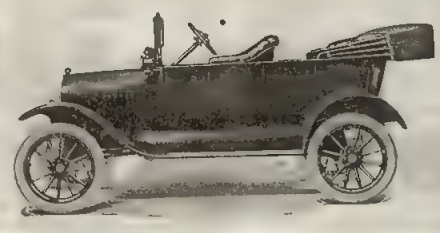
A beautifully designed [illegible] car with C-H Magneto, Gear Shift extra equipment

REPAIR PARTS for FORD CARS

HERE'S YOUR OPPORTUNITY

Ford car owners are spending millions of dollars every year for **repair parts** and accessories. With over a million Ford cars in use throughout this country you can readily see the tremendous demand for parts and accessories. **Repair parts** for Ford cars have become so standardized and so safe that they are now being sold through the regular channels of trade. A stock of **repair parts** for Ford cars will start you in a profitable business. Get your share of the profits now being made in this line. Don't let this chance go by. Ford pleasure and commercial cars are everywhere. Not to handle repair parts for these cars is to MISS OPPORTUNITY.

Parts listed below frequently become worn or lost and require replacement for other reasons. We are prepared to furnish exact duplicates on these various parts, bolts, screws, etc., accurately machined and inter-changeable with whatever part is to be replaced. All parts herein listed are inter-changeable with the standard Ford parts of the same numbers.



SPECIAL NOTE: All parts are absolutely guaranteed to be perfect in workmanship and material and are not to be compared with goods that are sold for less money and are of inferior quality. All bushings are made of bronze and milled to one-thousandth part of an inch.

		Each
K8009	Ford No. 2560A—Axle Housing Bolt & Nuts	$0.03½
K8003	" 2560C " " " "	.03½
K8007	" 2560G " " " "	.04
K8013—	" 2560D " " " "	.04
K8004	" 2560E " " " "	.04
K8005—	" 251 Axle Housing Cap	.03½
K8006	" 2514 Diff. Case Stud & Nuts	.04
K8015	" 251 R " " "	.04
K8016—	" 2517 " " Bushing	.24
K8258—	" 2318 Differential Drive Gear	2.25
K8011—	" 2519 " Drive Gear Screw	.03

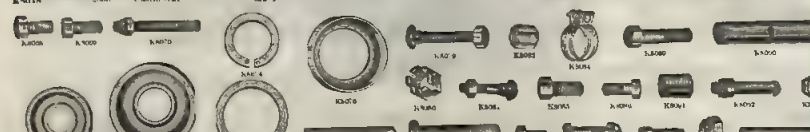
		Each
K8289—	Ford No. 2509B Differential Drive Gear	$1.05
K8013	" 2514 Drive Gear Key	.04
K8015—	" 2323 " Thrust Washer, Fiber	.07
K8016	" 2525 " Pinion Dowel Pin	.05
K8017—	" 2526B " " " 1911-17	.05
K8018	" 252 " Spider	.16
K8019	" 2578 " Thrust Plate, bronze	.28
K8020	" 2520 " " steel	.09
K8021	" 540 " Shaft Housing Front Bushing	.20
K8024—	" 2548 Radius Rod Nut	.04

		Each
K8025—	Ford No. 2549 Radius Rod Lock Nut	$0.04
K8027	" 2551 " Bolt & Nut	.07
K8028—	" 2554 Ball Joint Support Bolt & Nuts	.05
K8029—	" 2507 Hub Cam Shaft Right	.15
K8030—	" 2258 " " Left	.15
K8031—	" 2559 " " Washer	.07
K8034	" 2567 Brake Shoe Support Bolt, Asbestos Nut	.05½
K8035	" 2568 " " "	.04
K8036	" 2570 " Coil Support	.02
K8280—	" 2571 Universal Joint Assembly	1.85
K8033—	" 2578 Joint Housing Plug	.04

		Each
K8042—	Ford No. 2584 D.S. Roller Bearing Stud & Nut	$0.05
K8042—	" 2586 D. S. Roller Bearing Housing	.04
K8043—	" 2586 " Distance Plate	.04
K8044—	" 2589 " Ball Race	.24
K8045—	" 2590 " Retainer	.02
K8046	" 2591 D.S. Thrust Collar	.27
K8047—	" 2586 " Screw	.62
K8048	" 2588 " Castle Nut	.05½

		Each
K8049	Ford No. 2536B D.S. Pinion Key	$0.04
K8050—	" 2697 Spindle Arm Nut	.04
K8051—	" 2704 Stationary Cone	.14
K8052	" 2705 Adj. Cone Right Thread	.10
K8053—	" 2706 " " Left	.10
K8054—	" 2707 Spindle Nut Right	.08
K8055—	" 2708 " " Left	.08
K8057	" 2709 " Bolt	.28
K8058—	" 2710N " with Oiler	.27

		Each
K8059—	Ford No. 2711 Spindle Nut	$0.04
K8060—	" 2713 " Body Bushing	.07½
K8061—	" 2714 " Arm	.04
K8062	" 2715 " Conn. Rod Bolt	.11
K8063—	" 2716N " with Oiler	.13
K8064—	" 2719 " Nut	.03
K8065	" 2720 Steering Yoke Clamp Bolt & Nut	.05
K8066—	" 2721 Radius Rod Lock Nut	.04
K8067—	" 2724 Front Radius Rod Nut	.04



		Each
K8068—	Ford No. 2725 Front Radius Ball Cap Screw for '09 and '10	Each. $0.04
K8069—	" 2733 Front Radius Rod Ball Cap Screw for '11-'12-'13-'14	.04
K8070—	" 2741 Radius Rod Ball Cap Stud and Nut for '13-'14-'15-'16	.04
K8073—	" 2804 Outer Race	.08
K8073—	" 2805 Inner "	.12
K8074—	" 2806 Outer Ball Retainer	.01
K8075—	" 2807 Inner "	.20

		Each
K8076—	Ford No. 2808 Dust Ring	$0.04
K8077—	" 2816B Rear Hub Key for Taper Axle	.04
K8079—	" 2825 Hub Bolt & Nut	.07
K8080—	" 2826 Rear Hub Lock Nut	.05½
K8081—	" 2903 Tank Bolt & Nut	.04
K8082—	" 2910 Feed Pipe Pack Nut	.04
K8083—	" 3003 Cyl. Head Cap Screw	.04
K8084—	" 3007 " Outer Hose Clip	.02½
K8085—	" 3008 " " Conn Screw	.04
K8086—	" 3010 " Cover Bolt	.04

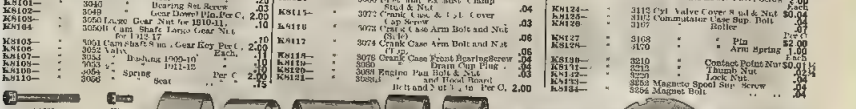
		Each
K8087—	Ford No. 3011 Cyl. Cover Cap Screw	$0.03
K8088—	" 3014 " Crank Case Bolt & Nut	.04
K8089—	" 3016 Cyl. Inlet Conn'n. Screw	.04
K8090—	" 3020 Piston Pin	.17
K8091—	" 3022½ " Bushing	.12
K8092—	" 3025 Conn. Rod Cap Bolt & Nut	.07
K8093—	" 3026 " Nut	.03
K8094—	" 3029 Clamp Screw	.04
K8095—	" 3035 Crank Shaft Bearing Bolt & Nut	.03
K8096—	" 3040 " Starting Pin	.04

REPAIR PARTS FOR FORD CARS

			Each
K8097	Ford No.	3045 Cam Shaft Front Bearing	$0.19
K8098	"	3043 " Center "	.19
K8099	"	3044 " Rear "	.19
K8101	"	3047 " Bearing Set Screw	.03
K8102	"	3049 " Gear Dowel Pin, Per C.	2.00
K8103	"	3050 Large Gear Nut for 1910-11	.10
K8104	"	3050R Cam Shaft Large Gear Nut for 1912 17	.10
K8105	"	3051 Cam Shaft Sm. Gear Key Per C.	2.00
K8106	"	3052 Valve "	"
K8107	"	3053 " Bushing 1909-10	Each .10
K8108	"	3053 " " 1911-12	" .10
K8109	"	3054 " Spring	Per C. 2.00
K8110	"	3056 " Seat	" .15

			Each
K8112	Ford No.	3058 Push Rod	" .10
K8113	"	3059½ Push Rod Bushing	" .10
K8116	"	3060 Cam and Ex. Gear Clamp Stud & Nut	.04
K8115	"	3072 Crank Case & Upr. Cyl. Cover Cap Screw	.03
K8118	"	3073 Crank Case Arm Bolt and Nut (Side)	.06
K8117	"	3074 Crank Case Arm Bolt and Nut (Top)	.06
K8114	"	3076 Crank Case Front Bearing Screw	.06
K8119	"	3080 Drain Cup Plug	.04
K8120	"	3082 Engine Pan Bolt & Nut and Hood Stud	.03
K8121	"	3083½ " Bolt and Stud Nut	Per C. 2.00

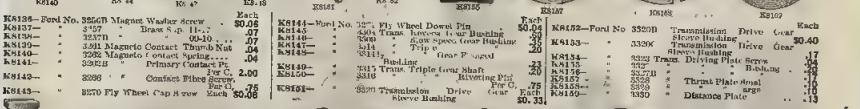
			Each
K8122	Ford No.	3086C Engine Pan and Hood Boxed Per C.	
K8123	"	Bolt and Nut, 3/8 in.	$2.00
		3703 Crank Pin Lower Cover Screw	2.00
K8124	"	3112 Cyl. Valve Cover Stud & Nut	Each .04
K8125	"	3102 Commutator Case Sup. Bolt	$0.04
K8126	"	3107 " " Roller	.04
			.07
K8127	"	3108 " " Pin	Per C. 2.00
K8128	"	3109 " " Arm Spring	$2.00
K8130	"	3110 " Contact Point Nut	.04
K8131	"	3111 " Lock Nut	Per C. $0.014
K8132	"	3259 " "	.014
K8133	"	3263 Magneto Spool Set Screw	.04
K8134	"	3264 Magnet Bolt	.04



			Each
K8136	Ford No.	3266B Magnet Washer Screw	$0.06
K8137	"	3457 " Brass Sup. Pin	.07
K8138	"	3237B " 10-10	.07
K8139	"	3261 Magneto Contact Thumb Nut	.04
K8140	"	3262 Magneto Contact Spring	.04
K8141	"	3263B " Primary Contact Pt.	Per C. 2.00
K8142	"	3266 " Contact Fibre Screw	Per C. .75
K8143	"	3270 Fly Wheel Cap Screw	Each $0.06

			Each
K8144	Ford No.	3271 Fly Wheel Dowel Pin	$0.04
K8145	"	3304 Trans. Layshaft Gear Bushing	.35
K8146	"	3309 " Slow Speed Gear Bushing	.35
K8147	"	3314 " Trip Cam	.20
K8148	"	3315 " Gear Pin Cotter	.03
K8149	"	Bushing	.23
K8150	"	3317 Trans. Triple Gear Shaft	.23
K8151	"	3318 " Riveting Pin	Per C. .75
K8152	"	3320 Transmission Drive Gear Sleeve Bushing	Each $0.33

			Each
K8152	Ford No.	3320B Transmission Drive Gear Sleeve Bushing	$0.40
K8153	"	3320C Transmission Drive Gear Sleeve Bushing	.17
K8154	"	3323 Trans. Driving Plate Screw	.03
K8155	"	3325 " Bushing	.35
K8156	"	3327B " Thrust Plate Stud	.10
K8157	"	3328 " " Nut	.10
K8158	"	3329 " " Screw	.10
K8159	"	3330 " Distance Plate	.13



			Each
K8160	Ford No.	3333 Trans. Clutch Disc Drive Key	$0.04
K8161	"	3334 " Set Screw	.04
K8162	"	333[illegible] " Finger Screw	.04
K8163	"	3337[illegible] " Washer, Per C.	.75
K8164	"	3338 " Pin " "	.75
K8166	"	3343 " Clutch Spring Thrust Rec. Ring	$0.07
K8167	"	3307 Lever Bolt & Nut	.04
K8168	"	3371 Universal Ball Cap Bolt	.04
K8170	"	3372 " Screw & Nut	.04
K8171	"	3374 Trans. Cover Bolt & Nut	.04
K8172	"	3375 " Screw	.04
K8173	"	3408 Clutch Lever Screw & Nut	.04
K8174	"	3409 " Inclose Lock Clamp Screw	.04
K8175	"	3416 Trans. Band Washer	.01½

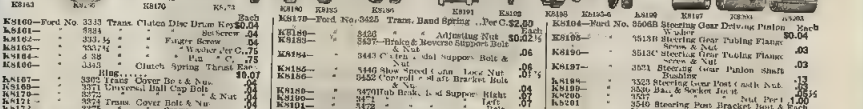
			Each
K8178	Ford No.	3422 Trans. Band Spring	Per C. $2.50
K8180	"	3426 " Adjusting Nut	Each $0.02½
K8183	"	3437 Brake & Reverse Support Bolt & Nut	.06
K8184	"	3443 C. Cyl. & Ind. Support Bolt & Nut	.06
K8185	"	3446 Slow Speed Cam Lock Nut	.01½
K8186	"	3452 Control Shaft Bracket Bolt & Nut	.04
K8188	"	3470 Hub Brake Rod Support Right	.04
K8190	"	3471 " " Left	.07
K8191	"	3472 " & Nut	Per C. 2.00
K8192	"	3505 Steering Gear Cover Screw	.01½
K8193	"	3506 " Bushing	.08

			Each
K8195	Ford No.	3508B Steering Gear Tubing Flange Screw & Nut	$0.04
K8196	"	3513R Steering Gear Tubing Flange Screw & Nut	.03
K8197	"	3521 Steering Gear Pinion Shaft Bushing	.03
K8198	"	3523 Steering Gear Post Cotter Nut	.13
K8199	"	3526 Rad. & Socket Joint	.2625
K8200	"	3527 " " Nut Per C.	1.00
K8201	"	3540 Steering Post Bracket Bolt & Nut	.04
K8202	"	3541 " " Bolt & Nut Only	$0.06
K8203	"	3545 Steering Post Bracket Bushing 2 Piece Brass	.054 .22

			Each
K8204	Ford No.	3603D Body Brace Bracket Cone Bolt & Nut	$0.06
K8205	"	3643 Dash Bracket Bolt & Nut	.04
K8206	"	3645 " Top Bolt & Nut	.04
K8207	"	3665B " to Body Bracket Bolt & Nut	.04
K8208	"	3652 " Lamp Brace Screw & Nut	.03½
K8209	"	3660 " Seat Iron Bracket Bolt	.03½
K8210	"	3689 Front Spring C. P. Bolt	.03½
K8211	"	3811 " " Tie Rod & Nut	.03½
K8212	"	3825 " & Rear Spring Hanger Nut	.02½
K8213	"	3870 " Spring Perch Bolt	.06

			Each
K8214	Ford No.	3871 Front Spring Perch Nut	$0.06
K8215	"	3431 " Cap Clip Nut	.04
K8216	"	3437 " Tie Rod & Nut	.04
K8217	"	3441 " Perch Bushing	.08
K8218	"	3911 " " Nut	.08
K8220	"	3917 Front Spring Retainer Clip w/i Bolt & Nut	.04
K8219	"	" Rear Spring Retainer Clip w/i Bolt & Nut	.04
K8223	"	3918 Steering Tierod Screw	Per C. 2.00
K8224	"	3919 Radius Rod Nut & Nut	Each .05
		Rod Nut	Per C. 2.00

			Each
K8225	Ford No.	3945 Outlet Connection Hose Clip	$0.02½
K8226	"	3969 Fan Shaft	.06
K8227	"	3970 " Bracket Bolt	.06
K8228	"	3971 " " Screw & Nut	.06
K8229	"	3[illegible] Muff & Bracket Bolt & Nut	.05¾
K8230	"	4019 Hood Bracket Bolt & Nut	.04
K8231	"	4021 Screw for Ignition Coil	.04
K8232	"	4022 " " "	.04
K8233	"	4031 " " "	.04
K8234	"	4045 Screw	.02
K8235	"	4070 Switch Assy. for K-W Coil	.06



			Each
K8236	Ford No.	4482 Spray Needle Assembly Holder Carb. 1-1/2	$0.40
K8237	"	4559 Spray Needle Assembly Holder Carb. 1-1/2	.40
K8238	"	4616 Spring for Jiffy-Jet Coil	.20
K8239	"	4618 Dial	.18
K8240	"	4620 Switch Plug for Holmes Coil (old style)	.03

			Each
K8241	Ford No.	4663 Armature for Kingston Coil	$0.27
K8242	"	4680 Spring	.03
K8243	"	4695 Lower Spring for K-W Coil	.21
K8245	"	4681 "	.21
K8247	"	4750 Spring for Kingston Coil	.20
K8248	"	4[illegible] Bridge	.20
K8249	"	4778 Switch Key for Kingston Coil	.20
K8250	"	4781 " Plug " Model Box Coil	.04

			Each
K8251	Ford No.	4795 Lower Spring for Metal Box Coil	$0.18
K8252	"	4[illegible] Upper Spring for Metal Box Coil	.18
K8253	"	4793 Spring for Holmes Coil	.20
K8254	"	4[illegible] " " "	.20
K8255	"	4799 Spring Metal Jiffy Coil	.17
K8256	"	4[illegible] " " "	.17
K8257	"	6215 Spray Needle Assembly Kingston Carb. 1910-1917	.20 .27

SUPPLIES FOR FORD CARS

These are all ready sellers and the constant demand from thousands of Ford and other small carowners opens up a source of profit that is well worth considering especially when you can buy at such profit allowing prices as quoted here. Only staple supplies in regular demand and proven sellers are listed. Stock these profit makers. Get your share of the big profits in auto supplies.

N. Y. COIL COMPANY'S ACCESSORIES

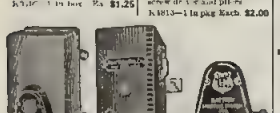
Practical devices carrying manufacturer's guarantee.

K8... K8500 K8503

"Junior" Headlight Control—Operates by force of air from tire valve. Is so sensitive that it will operate with lamps of only 3 candle power. Will not discharge battery. Can be converted to 30 ctt. amp. gives a full light when ordinarily magneto current would not be delivering any light; switches automatically to both lamps at speeds greater than 15 miles an hr.; attached in 10 minutes by removing and replacing single bolt. Shipping wt. 1 lb. Each $1.25

Master Vibrator—Platinum tipped points and gold plated adjusting screw makes starting easier; a better compensation is possible to run car as more or less speed than can be obtained with regular coils, consumes less current.
K8005—1 in box. Ea. $3.50

"Klik" Switch—Fits Ford metal or wooden box. Yale "Klik" in keyless receptacle; easy to wire; with screwdriver and pliers.
K8813—1 in pkg. Each $2.00

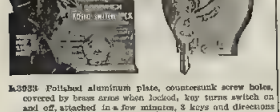


K4830 K8...

Starting Systems—Make magneto deliver a powerful spark, used with 6 dry cells or storage battery; no change made in magneto, easily installed, fully guaranteed. 1 in carton.
K4820—For low tension magneto ..... Each, $6.00
K4821—For straight high tension magneto... " 6.00

"GOODRICH" SWITCH WITH YALE LOCK

Absolute security against theft. Fits over regular coil and takes place of original switch, when locked covers screws which attach it. Every Ford owner needs one



K3933

K3933 Polished aluminum plate, countersunk screw holes, covered by brass arms when locked, key turns switch on and off, attached in a few minutes, 2 keys and directions with each lock. 1 in box..... Each, $2.30
(In lots of 1 doz. with counter display card, Doz. $25.00)

AUTOMATIC LIGHT REGULATOR | HEADLIGHT REFLECTORS

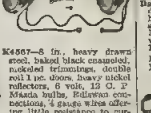
K3705 K3...

K3705—Quickly attached to any model Ford car, delivers a brilliant light at lowest engine speed, prevents lights from burning out when the engine races, uses regular Ford magneto and same system of wiring, and is absolutely automatic in its operation. 1 in box, with directions. Each, 90c

Reflectors with Wiring and Switch 2 silvered reflectors, Edlswan sockets, detachable switch handle, chip-proof cable, insulated staples, diagram. 1 set complete in box.

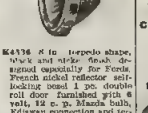
	Complete
K3802—8 in	$1.50
K3801—9 "	1.75

HEADLIGHT OUTFIT With Bulb

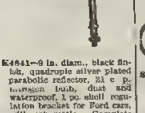


K6567—6 in., heavy drawn steel, baked black enameled, nickeled trimmings, double coil 1 pc. dome, heavy nickel reflectors, 6 volt, 15 C. P. Mazda bulbs, Edlswan connecting, 4 feet wire adjusting little resistance to current, complete with screws, cable, tape, screws, staples and directions for fitting. 1 set in carton ..Set, $2.35

ELECTRIC HEADLIGHTS



K4136 8 in. torpedo shape, black and nickle finish, designed especially for Fords. French nickel reflector self-locking front 1 pc. double roll door furnished with 6 volt, 15 c. p. Mazda bulb, Edlswan connection and terminal. 1 pr. in carton.
Pr. $3.60



K4641—9 in. diam., black finish, quadruple silver plated parabolic reflector, 21 c. p. tungsten bulb, dust and waterproof, 1 pr. shunt regulation brackets for Ford cars, will not rattle. Complete with bulbs. 1 pr. in carton.
Pair, $3.95

"DIMIT" SWITCH AND HEADLIGHT REGULATOR

K4581—Can be used both as a switch and headlight regulator, protecting lamps when engine races or runs at excessive speeds and has a sufficient range of adjustment to meet all conditions. Easily attached. 1 in box. Each, $1.65

ELECTRIC TAIL LAMP

K4538 — Richly finished in black enamel, 7 in. semaphore ruby lens, curved side, white glass in Illuminatic license. Edlswan connection, slotted "on" and "off." 6 volt, 3 c. p. bulb. 1 in box. Each, 80c

DASH LAMPS

Dash Lamps—Length from dash to bulb center 3½ in. Handy nickel plated with self-contained turn switch. Bayonet type lamp sockets, 6 volt, 2 c. p. tungsten bulb. 1 in box.
K3705—Straight neck
K3706—Crook neck
Each 67c

K3710—6 volt, 3 c. p. polished nickel plate. In ordinary use it is a dash lamp used to illuminate speedometer, clock and pedals, furnished with extra socket and ten feet of cord which can be attached to dash lamp socket making an ideal trouble lamp. tungsten bulb. 1 in box Each $1.35

COMBINATION TAIL LAMP AND LICENSE BRACKET

K4539—Hardened black enameled, 21 in. bracket, 3 in. ruby semaphore lens with white glass reflector for license number. Edlswan connection, complete with 6 volt, 3 c. p. bulb, dustproof. 1 set in carton.... Set, 85c

WIRING OUTFITS

Spark Plug Set—Braided cotton, copper terminals, with correct sizes.
K4146—1 set in pkg...Set, 26c

Ignition Harness—18 gauge copper wire rubber insulated, braided cover, each wire with copper terminals and dust cap, one cover braid, oil and waterproof jacket. 1 set in pair.
K4144—4 wire set. Set, 50c
K4145—5 wire set. 50 wire for electric light. Set, 55c

DASH BOARD LIGHT SWITCHES

K3711 K3712

Dash Board Light Switches—Highly nickel plated, used on Ford lighting outfits and for other head, side, and tail lights. 1 in box.
k4711—Single light switch. Each, 18c
k3712—2 gang switch Each 39c

K3713—3 gang sw.tch Each 55c

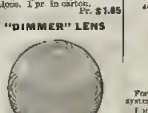
SIDE OIL LAMP

K4642 — 9 in. high, black finish 6 in. white semaphore lens, well ventilated, regulation Ford fastening. 1 pr. in carton.....Pr. $2.35

THE "RAND" HEADLIGHT REFLECTOR

K4935—Makes night driving safe. Not an attachment replaces old reflectors; scientific shaped reflector all glare and keeps lamps' rays on road and prevents them from projecting higher than top of lamp. Due to focusing light in a small beam the illuminating power is increased 50%, penetrates deeper for, while ordinary lamps would be almost useless. Can be attached by removing old reflectors and inserting. Complete directions. 1 pr. in carton.
Pr. $1.85

"DIMMER" LENS



K3854 Big 10 inch convex ruby glass lens, nickel rim, 10 thru slate state. Each 25c
Weighed 1 pound Each 25c

MIRROSCOPES

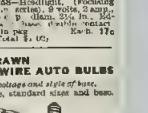
Sales increasing every day. State laws are being passed requiring the use of mirrors.

Mirroscopes—Black enameled, nickel trim, clamps on windshield rod, adjustable to any angle. 1 in box with parts
K3884 4 in. diminishing mirror, gives wide vision. Each, 60c
K3884—5 in. bevel plate mirror Each, 75c

SPARK AND GAS CONTROL LOCK

K4987 Locks spark and gas control, therefore making it impossible to operate car. Black enameled finish, easily attached. 1 in carton, with directions..... Each, 68c

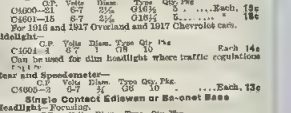
"MAZDA" BULB



For magneto type lighting systems
For use on 1915, 1916 and 1917 Ford cars
C4338—Headlight, (Focusing arm series), 9 volts, 2 amp., 15 c. p. diam. 25/32 in., Mazda base, double contact. 1 in pkg. Each, 17c
Total 2 c.p.

MINIATURE "MAZDA" DRAWN WIRE AUTO BULBS

NOTE—Be sure you give correct voltage and style of base.
Extra strong filament, round shape, standard sizes and base.



Edlswan or Bayonet Base | Double Contact Base | Single Contact Base | Screw Base | Ren. Candelabra Screw Base

For Ford Cars—Edlswan or Bayonet Base, headlight (focusing), double contact only, for 1915 and 1916 type Ford cars. the 15 candle is to be wired in series for magneto.

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4602—21	21	6-7	25/32	G1625	5	....	Each, 18c
C4601—15	15	6-7	25/32	G1625	5	....	" 18c

For 1916 and 1917 Overland and 1917 Chevrolet cars.

Slidelight—

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4601—3	3	6-7	1	G8	10	....	Each 14c

Can be used for dim headlight where traffic regulations require.

Rear and Speedometer—

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4600—2	2	6-7	1	G8	10	....	Each, 13c

Single Contact Edlswan or Bs-onet Base

Headlight—Focusing

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4600—21	21	6-7	1	G1625	5	....	Each, 18c

Slidelight—

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4601—3	3	6-7	1	G8	10	....	Each, 14c

Rear and Speedometer—

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4611—2	2	6-7	1	G8	10	....	Each, 13c

Regular Candelabra Screw Base

Headlight—Focusing

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4618—15	15	6-7	2	G1815	5		Each 18c
C4615—4	4	6-7	1	G8	10		" 14c

Rear Speedometer—

	C.P.	Volts	Diam.	Type	Qty.	Pkg.	
C4616—2	2	6-7	1	G8	10		Each, 13c

PARTS AND SUPPLIES FOR FORD CARS

FORD SPEEDOMETER PARTS

Fiber Gears—Fit all models of Stewart Speedometers except the 1912. K4802—Leather type ... Each 7c

Swivel Joints—For 3-speed models ... $1.45

Swivel Joint—For ... Each, $1.45

Swivel Joint—For Ogden type ... $1.90

Complete Shaft—For Stewart Speedometer. 1 in box. Each $1.50

Complete Shaft—For 1918 and Ford models, also for Standard Each $1.50

Outside Housing—With threaded ends for shafts ... Each $1.05

Outside Housing—With free-running ends for shafts For 1915 and 1916 Ford, also for Each $1.05

Inside Mono-coil Drive—With end fittings for shaft ... Each 48c

Inside Mono-coil Drive—With end fittings for shaft ... Each 48c

"BULL DOG" RADIATOR SHELL AND HOOD

Fits 1915 and 1916 model ...

K4811—Bull Dog type radiator shell, made from heavy gauge sheet steel, shell slips over radiator completely covering ... Each, $1.45

"VANGUARD" SHIELDS

For 1915 and Later Model Fords—Heavy plastic glass, black enameled and nickeled trimmings ... K4598—1 in crate. Ea. $8.75

For 1914 Model T Ford—De Luxe; heavy, polished plate glass, black enameled and nickeled trimmings, upper half adjustable to any position, locks automatically ... K4567—1 in crate ... $7.85

RADIATOR FOR FORD

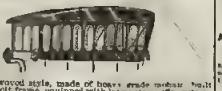
K4907—Fits all model Ford cars except 1917, all black finish, honeycomb core, strong, efficient, durable and trouble-proof—John and Vibrations cannot make it leak. Freezing cannot burst it, guaranteed. 1 in crate, Each, $16.35

K4906—Expertly ... fit Model 1917 Ford Cars, otherwise ... Each $21.00

AUTO CHAIR TO FIT ON FORD DOOR

K4981—... black enameled frame, electric welded joints, ... adjustable to fit ... folds, cushioned with ... coil, dowelled, folds flat, does not ... Each $1.05

"PARRY" ONE-MAN TOP—For Ford Cars



K4974—Improved style, made of heavy grade mohair twill cotton, four bolt frame equipped with latest ... attachments ... per demonstration cut. 1 in crate ... Each $21.00

ANTI-DRAFT SHIELD

Fits between windshield and top of car. Keeps out snow, rain or wind.

K4195—32 oz. black enameled duck, strong spring clamps for fastening to windshield, curtain fastener or eyelets that fasten to top. Fits any Ford car. Each, 40c

Special Speedometers

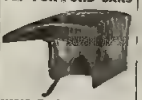
When ordering give ... name and model of car ... of factory ... two or three days in filling orders.

MOHAIR DUST HOODS FOR ONE-MAN TOPS FOR FORD CARS

K3311—Made from very fine grade of mohair, rubber coated, prevents a hairiness appearance and can be cleaned with soap and water, very durable. Fits any ... Each, $2.10

K3314—Ford dust hood, rubber, made for one-man tops and very durable and satisfactory dust cover for low well made and quick selling ... pair ... Each $1.40

ROADSTER ONE-MAN TOP FOR FORD CARS



K3315—Roadster one-man top for Ford cars with 3 lift ... to the ... well made, an exceptional value at this price ... Each, $17.50

RUBBER MATS FOR FORD CARS

Rubber Mats ... Each

K4584—Fits 1915, 1916, 1917 Models ... Each, $0.67

AUTO REFRIGERATOR BOX

Fits on running board ... attached or detached in a few minutes ... 2 in pkg.

K3947—... shaped back ... side ... grip ... body ... hold ... neck ... pint ... cork ... preservation ... Each 95c

TOP RECOVER FOR FORD CARS

K3318—Can be applied by any ... of any rubber ... Each, $6.50

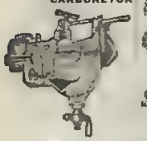
"GORDON" SLIP SEAT AND TOP COVERS

Note: Prices for slip seat covers quoted on applications for any make car. State make, year and model. Tan jeans or black & white material

Slip Seat Covers—Tan Jeans | Slip Top Covers—Tan Jeans, ... | ... | ... |

PARTS AND SUPPLIES for FORD CARS

"D. & R." SPECIAL CARBURETOR



K4789—Float chamber of standard type gasoline supply placed as supplied point in a passage, insuring a smooth breaking of gasoline into the finest particles, a perfect mixture at all speeds. Produces quicker acceleration and a more flexible [illegible] motor, gives from 10 to 30 per cent. more mileage per gal. gasoline ..... Each, $8.50

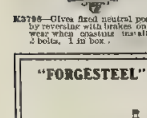
GASOLINE ECONOMIZER

K3799—Automatic admixture quantity of pure air to gasoline in carburetor increasing explosive power connects with throttle rod instantly, without drilling or tapping by removing 2 bolts attaching carburetor to inlet pipe. 1 in box ..... Each, $1.00

SECURITY WATER CIRCULATOR

K4828—Especially designed for Ford cars, has positive gear drive which gives positive circulation, water begins to circulate the minute the engine turns over and varies with the speed of the engine giving just the right [illegible] the engine from boiling, saves oil and gasoline, reduces formation of carbon [illegible] construction ..... Each $4.50

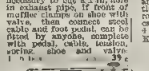
CLUTCH CONTROL



K3796—Gives fixed neutral position, prevents stalling engine by reversing with brakes on rear wheels engaged prevents wear when coasting installed by removing 2 bolts, 1 in box ..... Each $1.75

MUFFLER CUT-OUT

K4850—Black cu[illegible] necessary to cut a 1 in. hole in exhaust pipe, if front of muffler clamps on shoe with valve, then connect steel cable and foot pedal, can be fitted by anyone, complete with pedal, cable, tension, spring, shoe and valve. 1 in box $2.25



K4828—Nickeled push rod lever spring pedal and bracket, attached near the seat, does not interfere with removing loose floor boards. Simple, efficient and neat. 1 in carton ..... Each, 68c

FOOT ACCELERATOR

K4868—Steel and malleable [illegible] fittings connects directly with carburetor, simple and efficient, easily installed. 1 in box ..... Each, 50c

"TRUMP" MULTIPLE PISTON RINGS

[illegible] recommended by manufacturers. 1 ring ..... Each, 55c

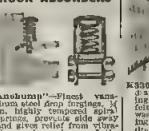
NON-RATTLING SOCKETS

Sockets—Finest grade malleable iron black enameled, hardened steel socket, heavy spring takes up wear and absolutely prevents rattling, adjustable screw plug with lock. Order 2 steering wheel and 1 radius rod sockets for complete set. 1 in box.

K4864—Steering wheel socket ..... Each, 15c

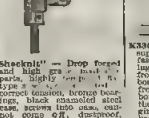
K4865—Radius rod socket. Each, 20c

SHOCK ABSORBERS



"Anchump"—Finest vanadium steel coil springs, 1/2 in. highly tempered spiral springs prevent side sway and gives relief from vibration and roughness of the road, stiffens the existing, can be attached by anyone. 1 in set.

K4868—1 set in carton. Set, $1.65



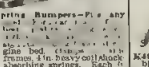
"Shacknil" — Drop forged and high grade [illegible] parts, highly [illegible] type [illegible] correct tension, bronze bearings, black enameled steel case, screws into case, cannot come off, dustproof, grease cannot leak out, short enough not to strike fenders. Guaranteed for 3 years. 4 in 1 set in carton.

K4885—Touring type [illegible] Set, $2.75

BUMPERS

Channel Bumper—Fits model Ford car, 8 in. copper plated channel bar, heavily nickel plated, front castings and sleeves, finished in dull black enamel, 4 in. heavy coil shock-absorbing springs.

K4079—Each in wood case Each, $3.60

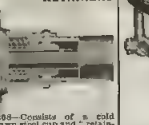


Spring Bumpers—Fits any [illegible] frames, 4 in. heavy coil shock absorbing springs. Each in wood case.

K4876—Black enameled, Each, $4.25

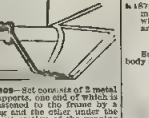
K3721—Nickel plated Each $4.75

"SHURNUFF" REAR AXLE GREASE RETAINERS



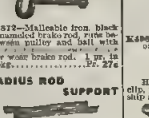
K3368—Consists of a cold drawn steel cup and retaining rings, 2 extra felt packing felt washers and 1 adhesive washer prevents dust collecting on axle housing, brake drums and wheels, easy to install, directions with each set, 1 set in box. Pr. 65c

"SHURNUFF" RUNNING BOARD FENDER SUPPORT



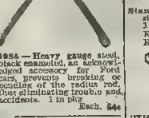
K3369—Set consists of 2 metal supports, one end of which is fastened to the frame by a lug and the other under the front section of the running board at the point where front fender and run ning board are connected, and the running board from sagging from the weight of tool boxes, gas tanks and battery boxes, also holds it stiffly in place, thus preventing the front fender from rattling. Easily installed. 1 pair in attractive box ..... Pr. $1.85

BRAKE ROD SUPPORT



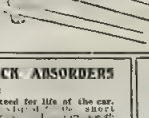
K4872—Malleable iron, black enameled brake rod, runs between pulley and ball with or without brake rod. 1 pr. in pkg. ..... Pr. 27c

RADIUS ROD SUPPORT



K4884—Heavy gauge steel, black enameled, an acknowledged accessory for Ford car, prevents breaking or bending of the radius rod, thus eliminating trouble and accidents. 1 in pkg. Each, 54c

"W-X" SHOCK ABSORBERS

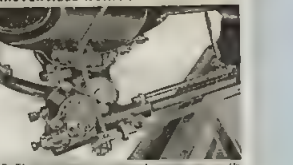


Shock Absorbers—High grade steel coil springs, black enameled, strong castings, can be adjusted [illegible] quiet easy riding qualities and prevents breaking, will not squeak or rattle. Each set in box with directions for attaching

K4983—For Ford runabout car ..... Set, $3.45

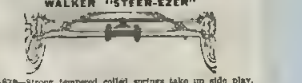
K4984—For Ford touring car ..... Set, $3.45

IRREVERSIBLE WORM STEERING GEAR



K3312 [illegible] Each, $8.90

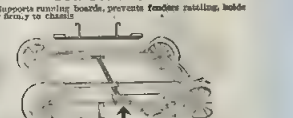
WALKER "STEER-EZER"



K4878—Strong tempered coiled springs take up side play, make steering easy over the roughest road, easily installed with nothing to wear out or break, does not interfere with any part of steering equipment. 1 in carton. Each, $1.35

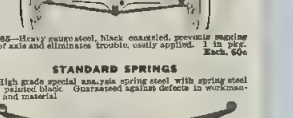
DOW BODY BRACE

Supports running boards, prevents fenders rattling, holds body firmly to chassis



K4197—Black enameled strong angle [illegible] attached in 3 minutes, complete with clamps nuts, bolts and wood blocks for placing under running board. Each, $1.80

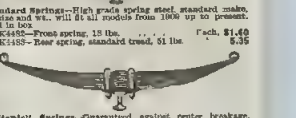
REAR AXLE TRUSS ROD



K4865—Heavy gauge steel, black enameled, prevents sagging of axle and eliminates trouble, easily applied. 1 in pkg. Each, 60c

STANDARD SPRINGS

High grade special analysis spring steel with spring steel clip, painted black. Guaranteed against defects in workmanship and material



Standard Springs—High grade spring steel, standard make, size and wt., will fit all models from 1909 up to present. 1 in box.

K4882—Front spring, 13 lbs. Each, $1.40

K4883—Rear spring, standard tread, 51 lbs. $3.25

"Titanic" Springs—Guaranteed against center breakage, have no center bolts to weaken them, will fit practically every model car except where spring is hung under axle, special high grade analysis spring steel with spring steel [illegible] painted black. 1 in box

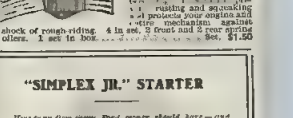
Each

K4916—Guaranteed front spring for Ford car $3.25

K4917—Guaranteed rear spring for Ford car 4.00

K4919—Non-guaranteed front spring for Ford car. 1.45

"CRUS" SPRING LEAF OILER



K4959—Lubricates every [illegible] of each leaf of spring, giving greatest [illegible] running and squeaking, protects your engine and entire mechanism against shock of rough-riding. 4 in set, 3 front and 2 rear spring oilers. 1 set in box ..... Set, $1.50

"FORGESTEEL" CANTILEVER SHOCK ABSORBERS

A Regular $10.00 Value

Guaranteed for life of the car.

[illegible] short [illegible] [illegible] [illegible]

AUTOMOBILE TRADE JOURNAL

Vol. XXI. No. 10 PHILADELPHIA APRIL 1, 1917

The Boston Automobile Show

Brilliant Success of the Hub's Fifteenth Annual Show, March 3d to 10th. The Largest Ever Held in This Country

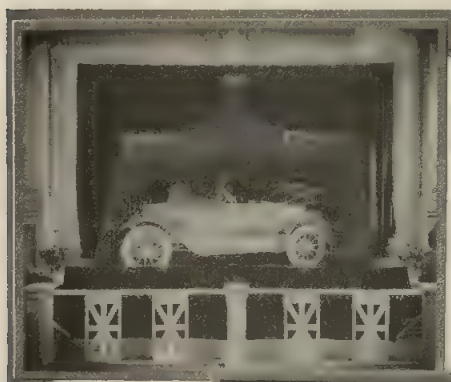
ALTHOUGH the New York and Chicago are the only two National Automobile Shows, it can hardly be said that the Boston Show ranks any less in importance. Boston and vicinity is such a good automobile buying section and the demands from the rest of new England for cars are so steadily increasing that the Boston Show has come to assume almost as great importance in the eyes of manufacturers as the national shows in which they themselves participate. In fact, there are some things about the Boston Show that stand out more prominently than at either the New York or Chicago Shows.

From the standpoint of the visitor, comparing all three this year, the Boston Show, held March 3d to 10th, was the most attractive in the general impression given. There was far greater evidence of effort to make the exhibits as beautiful as possible at Boston than at either New York or Chicago. Primarily this is because the National Automobile Chamber of Commerce, under whose auspices the national shows are held, places restrictions upon the exhibitors as to what they may do in their spaces. At Boston, which is a dealers' and manufacturers' show, there are no such limitations and the individuality and ingenuity of those in charge can be given full play.

The plan of the N. A. C. C. may make for a more harmonious and uniform treatment of the show as a whole, but in neither the New York nor Chicago accommodations is there opportunity to view enough of the show at once for the general effect to be given so much consideration. Variety, so long as it is prevented from degenerating into incongruity or lack of harmony with adjacent exhibits, makes a stronger and more favorable impression on the visitor to the show. Few pay much attention to the *tout ensemble*, preferring to spend their time looking at exhibits at short range, and it is a relief to find differences in treatment of individual displays, as well as differences in arrangement. Irregular spaces such as they had at Boston are also a relief from monotony. In many respects the Yankees are entitled to their claim of having had the most beautiful and comprehensive automobile show of the 1917 season as well as the largest ever held in this country.

The one unfortunate feature was that it was impossible to get all of the show in the two halls of the Mechanics Building. The situation was even worse than at Chicago in the

Fifteenth Annual Automobile Show, Mechanics Building, Boston, Mass., March 3-10



Mitchell Four-Passenger Roadster All in Gold in Stage Setting With Arbor Background, Velvet Hangings and Footlights to Set It Off.

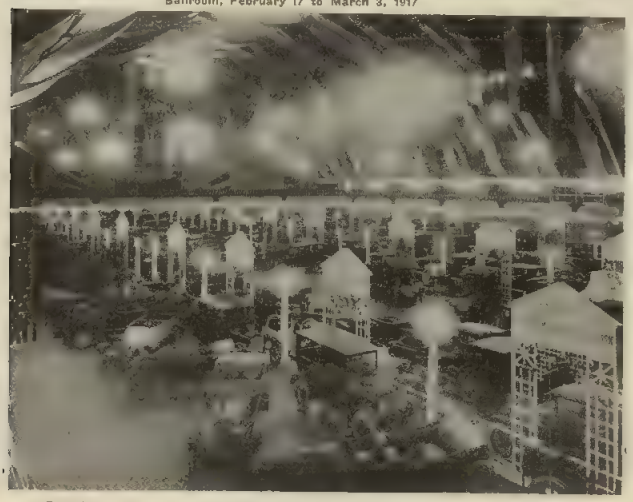
Metz Touring Car All Dressed for the Garden Party—Another Evidence of the Effect of Environment.

Buick Roadster Enthroned. The Car is in White and Finished to Deserve the Canopy and Spotlights.

Oakland Chassis on Trunnions for Revolving.
Buick Roadster on Continuously Revolving Turntable.

Overland Chassis in Traveling Costume.
Chandler Touring Car on Dress Parade.

Ninth Annual Show of the Newark (N. J.) Automobile Dealers' Association, held in the Palace Ballroom, February 17 to March 3, 1917



Brooklyn, N. Y., Automobile Show held in the 23rd Regiment Armory, February 24 to March 3, 1917.

"1835 R. WALLACE"—Silver Plate that Resists Wear

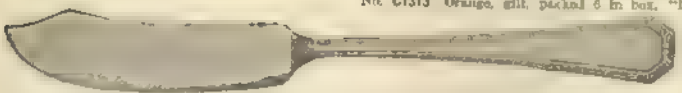
ATHENA PATTERN

1863 1917

Gray Border---Polished Center. "1835 R. WALLACE" Heaviest Plate. Fancy Pieces put up in lined boxes

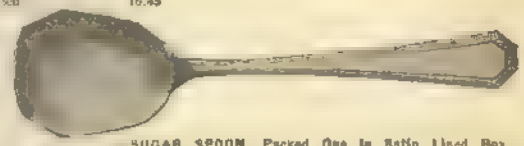
SPOONS

No. C1306 After dinner coffee, packed 6 [illegible] box "1835 R. Wallace" per dozen ..... $ 8.40
No. C1307 After dinner [illegible] with gilt bowls, packed 6 in satin lined box "1835 R. Wallace" per dozen 11.90
No. C1316 [illegible] "1835 R. Wallace" per dozen 9.65
No. C 309 [illegible] "1835 R. Wallace" per dozen 9.65
No. C1310 [illegible] "1835 R. Wallace" per dozen 16.10
No. C 3[illegible] Tea [illegible] box, "1835 R. Wallace" per dozen 19.25
No. C 312 Orange, plain, packed 6 in box, "1835 R. Wallace" per dozen 1.55
No. C1313 Orange, gilt, packed 6 in box, "1835 R. Wallace" per dozen 16.45



BUTTER KNIFE, Packed One in Satin Lined Box

No. C1314 Heaviest plate, plain, each $1.75
No. C1315 Heaviest plate, with gilt blade, each. 2.10

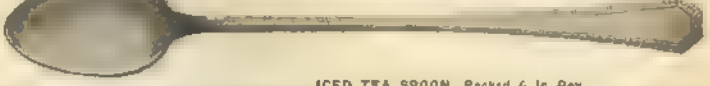


SUGAR SPOON Packed One in Satin Lined Box

No. C1316 Heaviest plate, plain, each..... $1.55
No. C1317 Heaviest plate, with gilt bowl, each..... 1.95

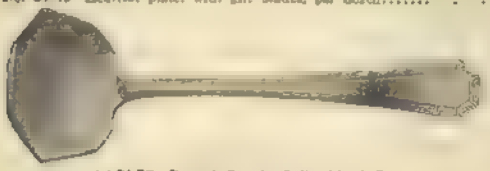
BUTTER SPREADER
Packed 6 in satin lined box

No. C1318 Heaviest plate, plain, per dozen $14.00
No. C1319 Heaviest plate, with gilt blades, per dozen..... 16.20



ICED TEA SPOON, Packed 6 in Box

No. C1320 Heaviest plate, per dozen..... $12.60

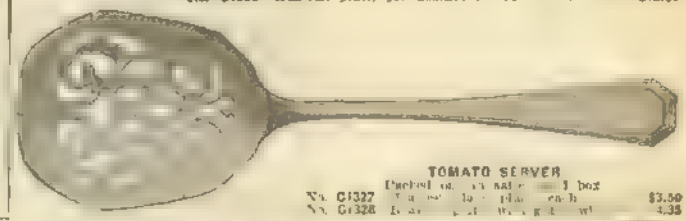


LADLES, Packed One in Satin Lined Box

No. C1321 Cream, plain, each $2.25
No. C1322 Cream, gilt bowl, each 2.80
No. C1323 Gravy, plain, each 3.15
No. C1324 Gravy, gilt bowl, each 4.05
No. C1325 Orange, plain, each 6.50
No. C1326 Oyster, gilt bowl, each 7.35

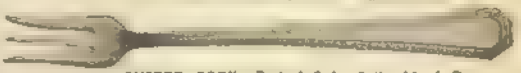
For Child's and Baby Sets to Match, see page 475.

For Fruit Knives to Match, see page 474.



TOMATO SERVER
Packed one in satin lined box

No. C1327 Plain, each $3.50
No. C1328 Gilt bowl, each 4.35

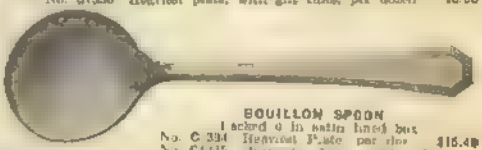


OYSTER FORK, Packed 6 in Satin Lined Box

No. C1329 Heaviest plate, plain, per dozen $10.35
No. C1330 Heaviest plate, with gilt tines, per dozen 13.80

PIE SERVER, HOLLOW HANDLE
Packed one in satin lined box

No. C1331 Heaviest plate, each..... $4.35



BOUILLON SPOON
Packed 6 in satin lined box

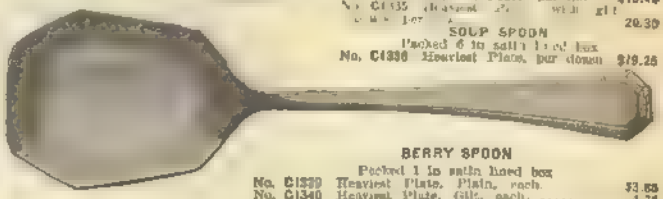
No. C 334 Heaviest Plate per dozen $16.40
No. C1335 Heaviest plate with gilt bowl, per dozen 20.30

SOUP SPOON
Packed 6 in satin lined box

No. C1336 Heaviest Plate, per dozen $19.25

SALAD FORK, INDIVIDUAL
Packed 6 in satin lined box

No. C1332 Heaviest Plate, per dozen $17.50
No. C1333 Heaviest plate with gilt tines, per dozen 22.40



BERRY SPOON
Packed 1 in satin lined box

No. C1339 Heaviest Plate, Plain, each $3.65
No. C1340 Heaviest Plate, Gilt, each. 4.75

JELLY SPOON
Packed 1 in satin lined box

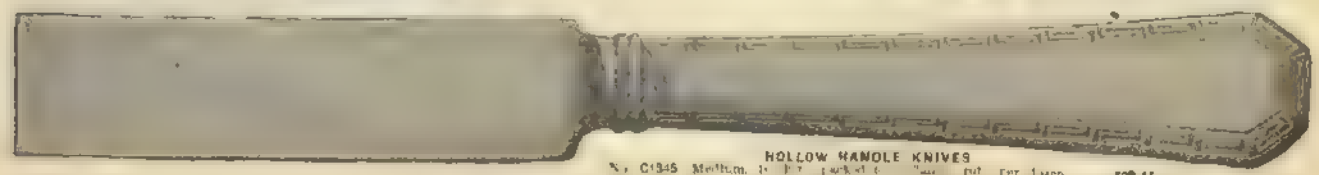
No. C1341 Heaviest Plate, Plain $2.65
No. C1342 Heaviest Plate, Gilt each. 3.35

COLD MEAT FORK, LARGE
Packed 1 in satin lined box

No. C1337 Heaviest Plate, each $2.45
No. C1338 Heaviest Plate, with gilt tines, each 3.15

FLAT HANDLE FORKS

No. C1343 Dessert, packed 12 in box, "1835 R. Wallace" [illegible] $16.10
No. C1344 Medium, packed 12 in box, "1835 R. Wallace" [illegible] 13.5



HOLLOW HANDLE KNIVES

No. C1345 Medium, [illegible] per dozen $29.15
No. C1346 Dessert, [illegible] per dozen 27.50

For Chest Sets, See page 449

Holmes & Edwards Superior Quality Flatware

Bearing the Trade Mark

1863 1917

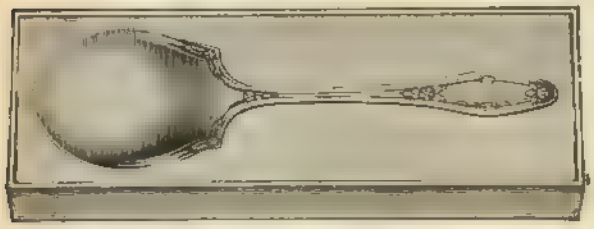
Marks another advance in the manufacture of silver plated ware and is absolutely guaranteed to give satisfaction.

HOLMES & EDWARDS XIV HE

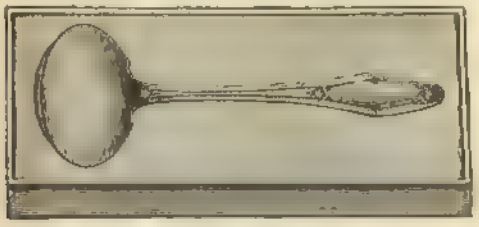
All goods bearing Holmes & Edwards Trade Mark are put up in tarnish proof boxes.

Teaspoon actual size, balance reduced size.

De Sancy Pattern—French Gray Finish

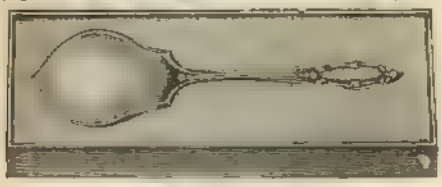


BERRY SPOON
No. C1361 Silver bowl ..... each $3.63

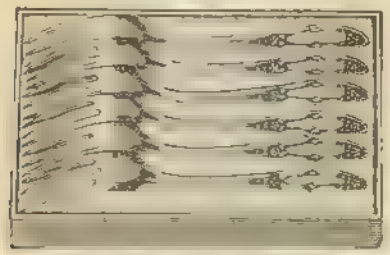


LADLES
No. C1363 Cream silver bowl ...each $2.02
No. C1364 Gravy, silver bowl ...each 2.73

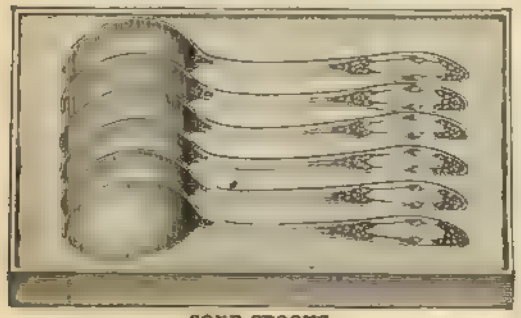
PICKLE FORK
No. C1366 Silver ... each $1.47



JELLY KNIFE
No. C1368 Silver blade each $1.77



INDIVIDUAL SALAD FORKS
No. C1369 Silver tines .....per set $3.58



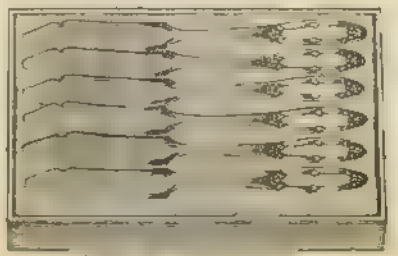
SOUP SPOONS
No. C1371 Silver bowl ..... per set $9.05

BOUILLON SPOONS
No. C1372 Silver bowls ...per set $8.12

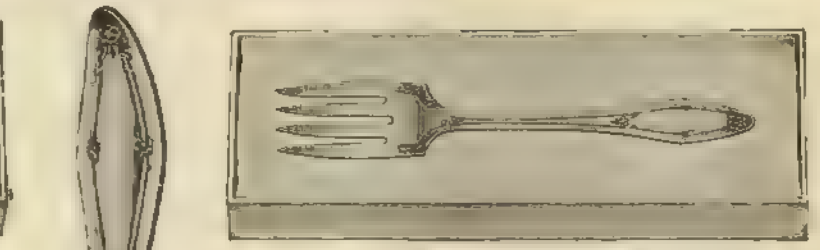
No.		Dozen
C1347	Teaspoon ...	$ 8.60
C1348	Dessert spoon	15.28
C1349	Table spoon	17.17
C1350	Medium fork, spoon handle	17.17
C1351	Dessert fork, spoon handle	15.28
C1352	Server, shell	16.22
C1353	Butter knives	16.72
C1354	Coffee spoon	8.38
C1355	Iced tea spoons	12.10
C1356	Bouillon spoons	16.22
C1357	Ice cream forks	13.27
C1358	Pastry forks	17.17
No.		Each
C1359	Tomato server	$ 3.63
C1360	2-piece baby set	1.95

FOR FRUIT KNIVES TO MATCH, SEE PAGE 474

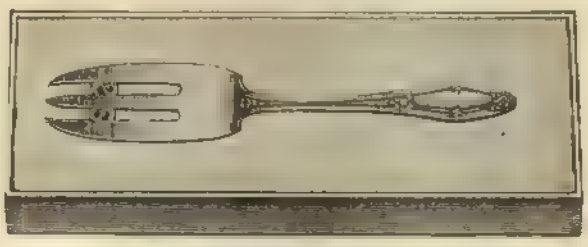
FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475



BUTTER SPREADERS
No. C1373 Silver blades..per set $7.42

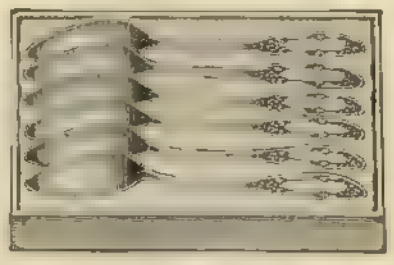


COLD MEAT FORK
No. C1362 Silver tines .....each $2.30

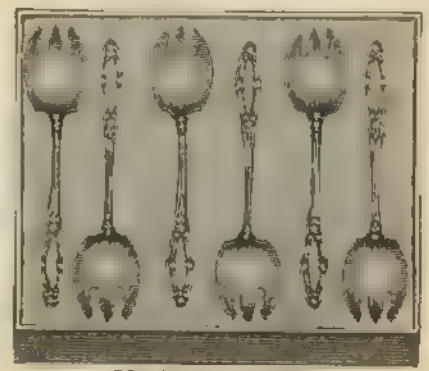


CAKE FORK
No. C1365 Silver tines .....each $2.30

BUTTER KNIFE AND SUGAR SHELL
No. C1367 Silver bowl and blade per set $3.34



ORANGE SPOONS
No. C1370 Silver bowl ...per set $5.47



ICE CREAM FORKS
No. C1374 Silver tines.....per set $6.63

Holmes and Edwards Superior Quality Flatware

Bearing the Trade Mark

1863 1917

HOLMES & EDWARDS XIV HE

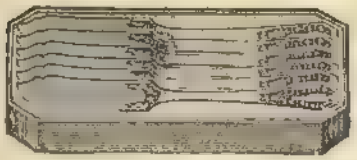
CAROLINA PATTERN, French Gray Finish

Marks another advance in the manufacturing silver-plated ware and is absolutely guaranteed to give satisfaction.

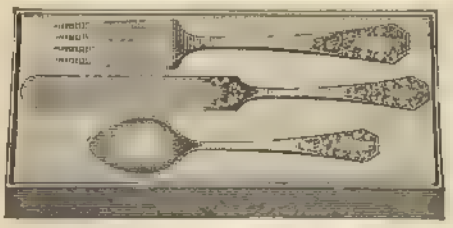
All goods bearing Holmes & Edwards Trade Mark are put up in tarnish proof boxes.

COLD MEAT FORKS
No. C1389 Silver tines ..... each $2.30

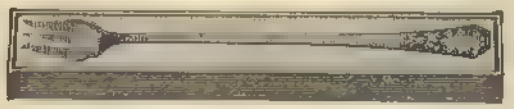
SIX INDIVIDUAL SALAD FORKS
No. C1391 Silver tines....per set $6.58



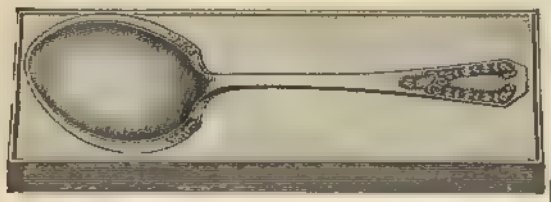
SIX BUTTER SPREADERS
No. C1395 Silver blades .....per set $7.42



CHILD'S SET—3 PIECES
No. C1397 Per set ..... ,$3.53



CHOW CHOW FORK
No. C1399 Silver tines .....each $1.93



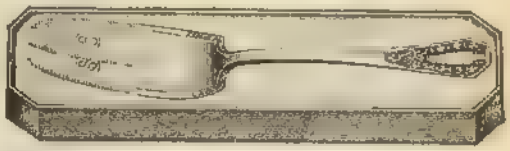
BEEF SPOON
No. C1402 Silver bowl .....each $3.63

No.		Dozen
C1375	Teaspoons	$ 8.60
C1376	Dessert spoons	15.28
C1377	Table spoons	17.17
C1378	Medium forks, hollow handle	17.17
C1379	Dessert forks, hollow handle	15.28
C1380	Sugar shells	16.22
C1381	Butter knives	18.72
C1382	Coffee spoons	8.38
C1383	Iced tea spoons	12.10
C1384	Bouillon spoons	16.22
C1385	Ice cream forks	13.27
C1386	Pastry forks	17.17
No.		Each
C1387	Tomato server	$ 3.63
C1388	2-piece baby set	1.98

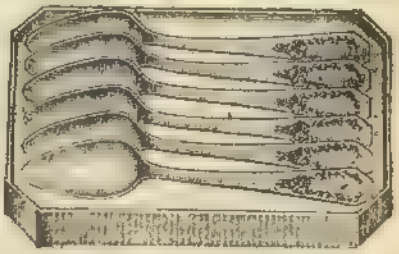
FOR FRUIT KNIVES TO MATCH, SEE PAGE 474
FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475

PICKLE FORK
Two Tines
No. C1394
Each ..$1.47

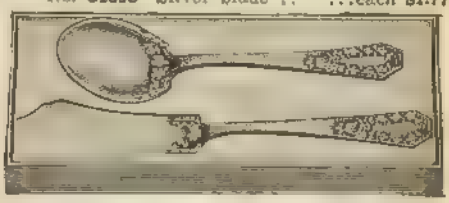
BABY SPOON
Bent handle, silver bowl.
No. C1393
Each $1.15



CAKE FORKS
No. C1390 Silver tines .....each $2.30



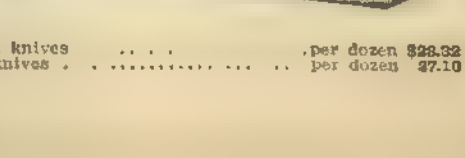
SIX ORANGE SPOONS
No. C1392 Silver bowls .....per set $5.47



JELLY KNIFE
No. C1396 Silver blade .. ...each $1.77

BUTTER KNIFE AND SUGAR SHELL
No. C1398 Silver bowls and blade..per set $3.34

LADLES
No. C1400 Cream, silver bowl.....each $2.02
No. C1401 Gravy, silver bowl.....each 2.73



CUPPED BEEF FORK
No. C1403 Silver tines .....each $1.87

CAROLINA HOLLOW HANDLE KNIVES
No. C1404 Medium knives .....per dozen $29.20
No. C1405 Breakfast knives .....per dozen $23.32
No. C1406 Dessert knives .....per dozen 27.10

G.W. HUNTLEY & CO. CHICAGO

The Holmes & Edwards brand has been on the market for over 40 years and is reliable.

SPOONS & FORKS STAMPED

HOLMES & EDWARDS

ARE GUARANTEED FULL WEIGHT OF SILVER

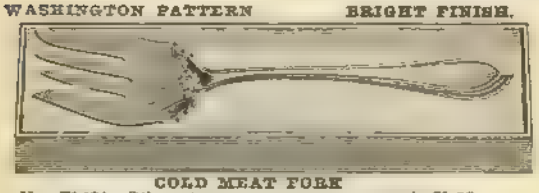
Guaranteed to [illegible] hon. Plated with 50% more silver than Standard Plate.

1863 1917

Teaspoon and medium knife actual size; balance reduced size

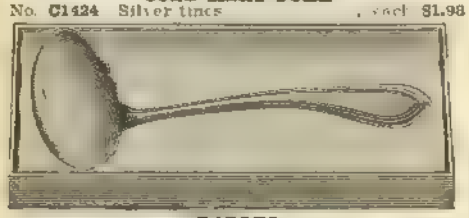
All goods bearing Holmes & Edwards Trade Mark are put up in tarnish proof boxes

WASHINGTON PATTERN **BRIGHT FINISH.**



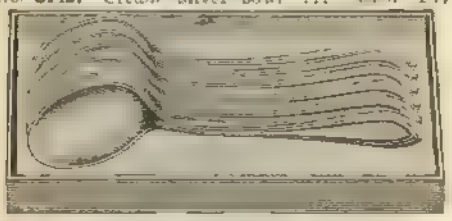
COLD MEAT FORK

No. C1424 Silver tines . each $1.98



LADLES

No. C1426 Gravy, silver bowl ..... each $2.35
No. C1427 Cream, silver bowl ... each 1.77

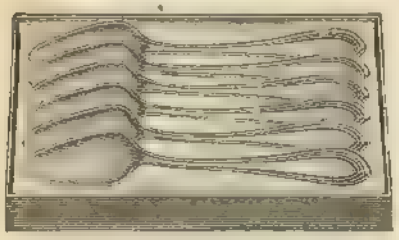


SIX SOUP SPOONS

No. C1431 Silver bowls ... per set $7.88

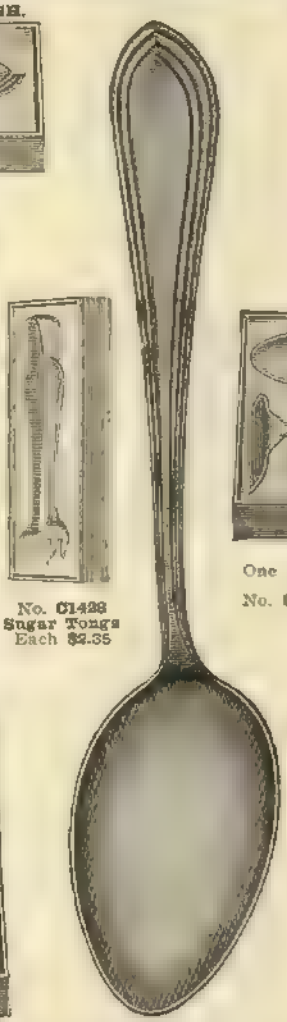
BUTTER KNIFE, CREAM LADLE AND SUGAR SHELL SET

No. C1433 Silver bowls . per set $5.00



SIX ORANGE SPOONS

No. C1435 Silver bowls per set $5.62



No. C1428 Sugar Tongs
Each $2.35

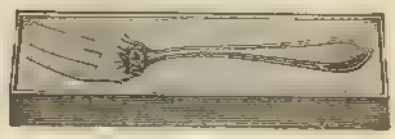
BERRY SPOON

No. C1425 Silver bowl ..... each $3.12

One baby spoon, one food pusher.
No. C1429 Per set....$1.98

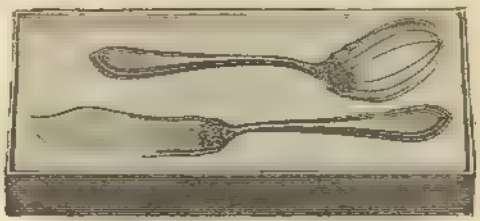
FOR FRUIT KNIVES TO MATCH, SEE PAGE 474

FOR CHILD'S AND BABY SETS TO MATCH, SEE PAGE 475



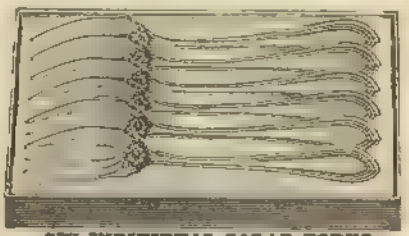
PICKLE FORK

No. C1430 Silver tines....each $1.47



BUTTER KNIFE AND SUGAR SHELL

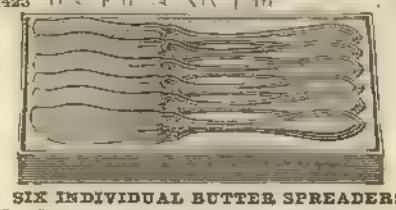
No. C1432 Silver blade and bowl. per set $2.95



SIX INDIVIDUAL SALAD FORKS

No. 1434 Silver tines ... ..per set $7.42

		Dozen
C1407	Teaspoons, XIV plate	$ 7.42
C1408	Teaspoons, triple plate	10.15
C1409	Dessert spoons, XIV plate	13.32
C1410	Dessert spoons, triple plate	18.10
C1411	Tablespoons, XIV plate ..	14.83
C1412	Tablespoons, triple plate... ...	20.26
C1413	Medium forks, spoon handle, XIV plate	14.83
C1414	Medium forks, spoon handle, triple plate	20.23
C1415	Dessert forks, spoon handle, XIV plate	13.32
C1416	Dessert forks, spoon handle, triple plate	18.10
C1417	Sugar shells, XIV plate	14.03
C1419	Butter knives, XIV plate	16.37
C1420	Coffee spoons, XIV plate	7.18
C1421	Iced tea spoons, XIV plate	10.15
C1422	Olive spoons, XIV plate	21.06
C1423	Dessert forks, XIV plate	9.83



SIX INDIVIDUAL BUTTER SPREADERS

No. C1436 Silver blades .....per set $6.67

THREE-PIECE CHILD'S SET

No. C1437 Per set $3.12

NICKEL SILVER HOLLOW HANDLE KNIVES AND FORKS—BRIGHT FINISH, QUADRUPLE SILVER PLATED

No. C1438 Medium knives . . . per dozen $29.20
No. C1439 Medium forks .... . . per dozen 29.20
No. C1440 Dessert knives ... . per dozen $27.10
Dessert forks, hollow handle, not made

G.W. HUNTLEY & CO. CHICAGO

This brand has been on the market for over 40 years and is reliable.

SPOONS & FORKS REGISTERED

HOLMES & EDWARDS

ARE GUARANTEED FULL WEIGHT OF SILVER

SUPERIOR QUALITY PLATWARE

Plated 50 per cent more than full standard plate on 13 per cent nickel silver.

1863 1917

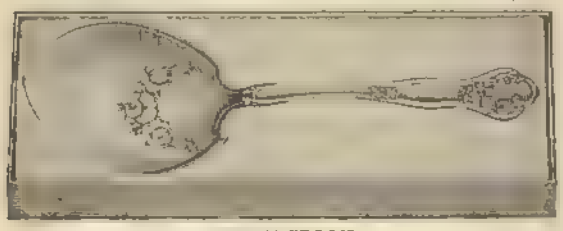
All goods bearing Holmes & Edwards Trade Mark are put up in tarnish proof boxes

Teaspoon and medium knife actual size, balance reduced size

DOLLY MADISON PATTERN, FRENCH GRAY—PIERCED

COLD MEAT FORKS

No. C1454 Silver tines ..... each $1.98



BERRY SPOON

No. C1456 Silver bowl ... each $3.12

3-PIECE COMBINATION SET

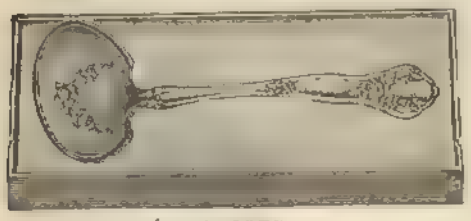
Cream Ladle, Butter Knife and Sugar Shell

No. C1458 Silver bowls and blade.....per set $5.00

8-PIECE COMBINATION SET

Six teaspoons, 1 sugar shell, 1 butter knife

No. C1461 Per set $6.80



LADLES

No. C1463 Cream, silver bowl ..... each $1.77

No. C1464 Gravy, silver bowl.....each 2.35

No.		Dozen
C1441	Teaspoons XIV plate	$ 7.42
C1442	Tablespoons [illegible] plate	10.15
C1443	[illegible] XIV plate	13.32
C1444	[illegible] spoons, triple plate	18.10
C1445	Tablespoons XIV plate	14.83
C1446	Tablespoons triple plate	20.28
C1447	Medium forks, spoon handles, XIV plate	14.83
C1448	Medium forks, spoon handles, triple plate	20.28
C1449	Dessert forks, spoon handles, XIV plate	13.32
C1450	Dessert forks, spoon handles, triple plate	18.10
C1451	Sugar shells XIV plate	14.83
C1453	Butter knives XIV plate	16.37

For fruit knives to match, see page 474

For child or baby sets to match, see page 475

CHILD'S EDUCATOR SET

Short Handle Spoon and Fork

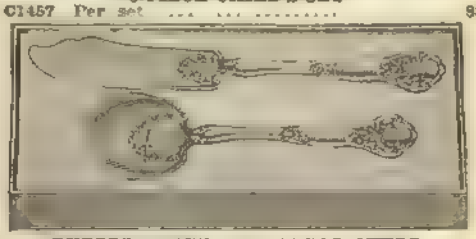
No. C1465 Per set $1.98

OLIVE SPOON

No. C1455 Silver bowls ..... each $1.77

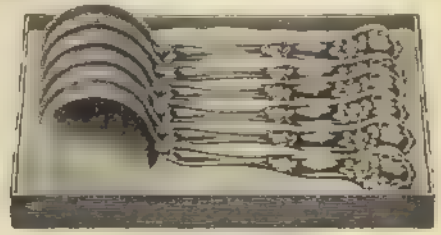
3-PIECE CHILD'S SET

No. C1457 Per set $3.12



BUTTER KNIFE AND SUGAR SHELL

No. C1459 Silver blade and bowl .....per set $2.96

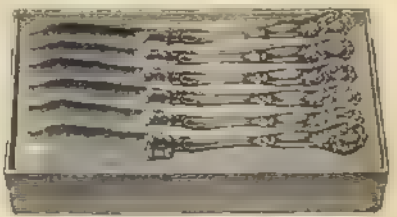


SIX SOUP SPOONS

No. C1460 Silver bowls .....per set $7.88

SIX INDIVIDUAL SALAD FORKS

No. C1462 Silver tines ..... per set $7.42



SIX INDIVIDUAL BUTTER SPREADERS

No. C1466 Silver blades .....per set $5.67

NICKEL SILVER, HOLLOW HANDLE KNIVES AND FORKS, FRENCH GRAY FINISH, QUADRUPLE SILVER PLATED

No. C1467 Medium knives .....per dozen $20.20

No. C1469 Dessert knives .....per dozen 27.10

No. C1468 Medium forks .....per dozen $20.20

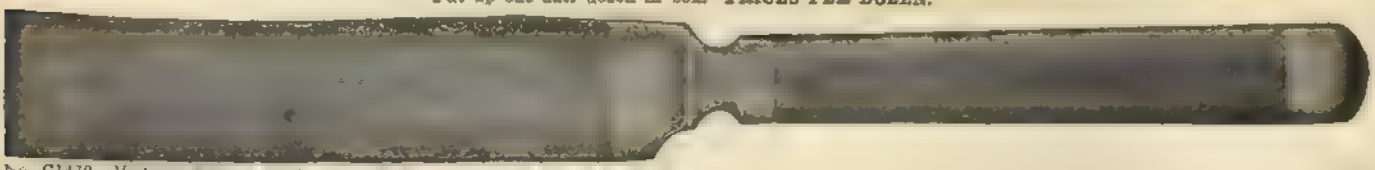
Dessert forks hollow handle, not made.

Holmes & Edwards Superior Quality Knives and Forks

1863 1917

Knives Plated on Fine Steel, Forks on Hard White Nickel Silver. All Knives and Forks Stamped Holmes & Edwards are Warranted to Strip 12 dwt. of Silver to Dozen.

Put up one half dozen in box. PRICES PER DOZEN.



No. C1470 [illegible] ...$12.30
No. C1471 [illegible] 12.30
No. C1472 [illegible] 11.97
No. C1473 [illegible] 11.97

The [illegible] guaranteed to be four times thicker than plate and will [illegible] two [illegible] longer than any other [illegible]

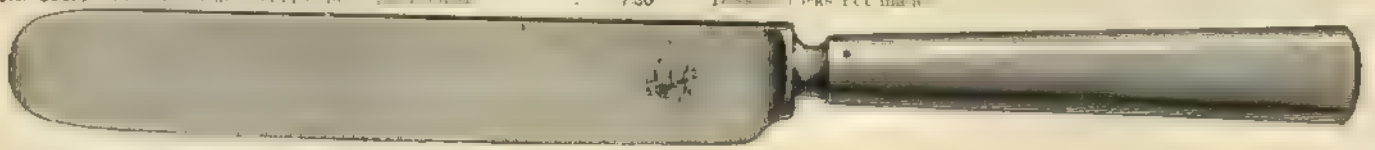
No. C1474 Medium knives, round handle, plain or satin finish $10.07
No. C1475 Medium forks, round handle, plain or satin finish.... 10.07

No. C1476 Dessert knives, round handle plain or satin finish... $9.70
No. C1477 Dessert forks round handle plain or satin finish 9.70

Stratford Silver Co., Silver Plated Knives and Forks

No. C1478 Medium knives, round handle, plain finish..... $7.30
No. C1479 [illegible] 7.30

No. C1480 Dessert knives, round handle, plain finish $6.95
[illegible]



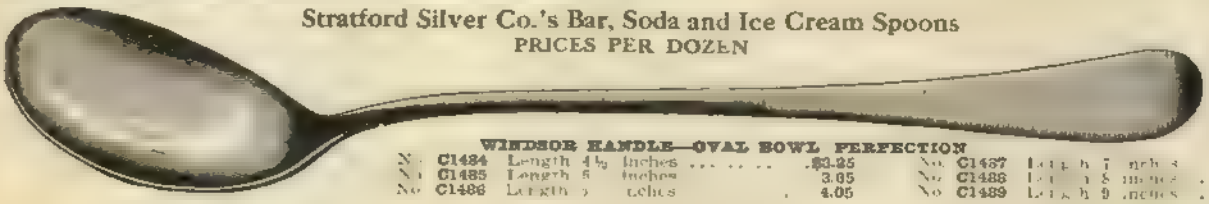
No. C1481 Columbian medium knives, plain finish, per dozen $6.60
No. C1482 Columbian medium forks, plain finish, per dozen..... 6.60

Silverweld Steak Knives. Absolutely Indestructible

No. C1483 Steel Blades [illegible] $8.67

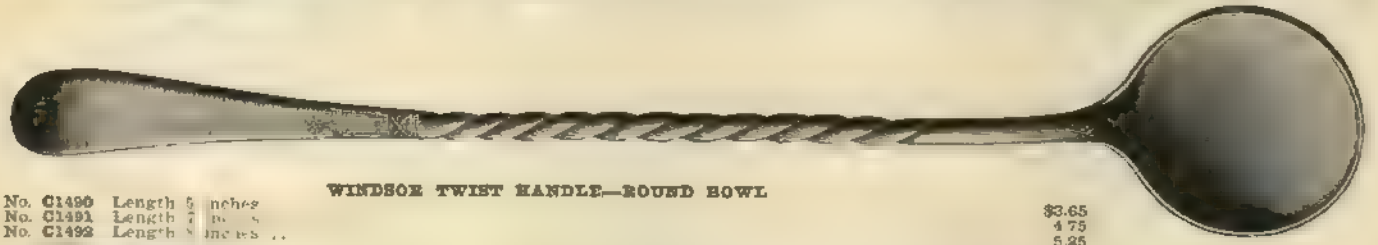
Stratford Silver Co.'s Bar, Soda and Ice Cream Spoons

PRICES PER DOZEN



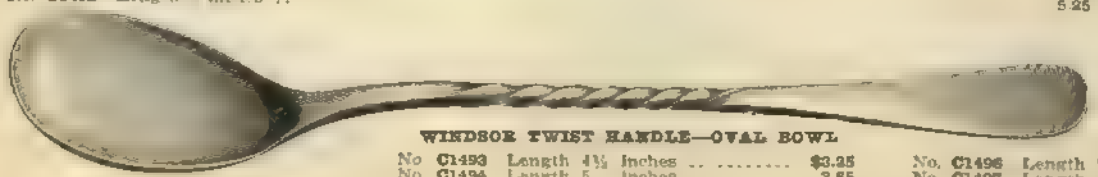
WINDSOR HANDLE—OVAL BOWL PERFECTION

No. C1484 Length 4½ inches $3.25
No. C1485 Length 5 inches 3.95
No. C1486 Length 6 inches 4.05
No. C1487 Length 7 inches $4.75
No. C1488 Length 8 inches 5.25
No. C1489 Length 9 inches 5.95



WINDSOR TWIST HANDLE—ROUND BOWL

No. C1490 Length 6 inches $3.65
No. C1491 Length 7 inches 4.75
No. C1492 Length 8 inches 5.25



WINDSOR TWIST HANDLE—OVAL BOWL

No. C1493 Length 4½ inches $3.25
No. C1494 Length 5 inches 3.85
No. C1495 Length 6 inches 4.05
No. C1496 Length 7 inches $4.75
No. C1497 Length 8 inches 5.25
No. C1498 Length 9 inches 5.95

BENJAMIN LIGHTING SPECIALTIES

STREET LIGHTING FIXTURES

SCHEDULE IIF

FLAT CONE REFLECTOR SOCKETS

No. 802

Fixtures 802-807 are standard reflector sockets with flat cone reflector of indicated dimensions, metal cross-arm, porcelain knobs, separable connections with weatherproof outlet for line wires and lamp grip. Top of fitting is tapped for ½-in. iron pipe. They are intended for outdoor lighting on low voltage multiple circuits. Iron parts are galvanized. For fixtures with shock absorber add 10 cents list.

No.	Reflector size	Lamp size	Each
802	14 in.	25-40-60W	**$3.30**
803	16 in.	100-150W	**3.60**
804	18 in.	200-250W	**4.20**
807	20 in.	200-250W	**4.80**

ANGLE REFLECTOR SOCKETS

NOS. 5522 AND 5527

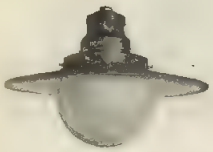
Angle reflector sockets Nos. 5522-5527 consist of elliptical black enameled steel reflector, and two-piece porcelain socket with Benjamin lamp grip. Regularly furnished with vertical fittings, tapped ½-in., but ¾-in. or 1-in. fittings can be obtained at an advance of 15 cents list.

No.	Reflector size	Lamp size	Each
5522	11 in.	60W	**$2.80**
5525	14 in.	100-200W	**3.00**
5527	17½ in.	200-250W	**6.00**

BENJAMIN FIXTURES FOR "GAS FILLED" MAZDA LAMPS

SCHEDULE II C

FLAT CONE REFLECTOR SOCKETS



No. 780C

No. 6109

SHALLOW BOWL REFLECTOR SOCKETS

No. 6129

Fixtures 780C-787C are substantially 781C-714C, with flat cone enameled steel reflector added. For mast-arm and other suspensions, see pages 1219 and 1220. For 18-in. reflector with Nos. 784C 787C, add 50 cents list. Reflectors are finished black.

No.	Kind of hood	Finish	Size reflector	Size globe	Size lamps, watts	Each
780C	Copper	Natural	12 in.	5x7 in.	100, 200	**$3.30**
781C	Copper	Black enamel	12 in.	5x7 in.	100, 200	**3.40**
783C	Steel	Black enamel	12 in.	5x7 in.	100, 200	**2.80**
784C	Copper	Natural	15 in.	8x6 in.	300, 400, 500	**4.70**
785C	Copper	Black enamel	15 in.	8x6 in.	300, 400, 500	**4.80**
787C	Steel	Black enamel	15 in.	8x6 in.	300, 400, 500	**3.80**

Prices are less wires and lamps.

Fixtures 6126-6129 have shallow bowl enameled steel reflector with ventilating hood. The former is easily removed to facilitate wiring. For fixture with suspension fitting No. 6031 and ½-in. nipple, add 65 cents list; with fitting No. 6049 (½-in.) add 80 cents list. Standard finish is black.

No.		Reflector size	Lamp size	Each
6126	Copper hood	18 in.	300 to 500W	**$5.90**
6127	Steel hood, copper pl.	18 in.	300 to 500W	**5.20**
6128	Copper hood	20 in.	750 to 1000W	**8.25**
6129	Steel hood, copper pl.	20 in.	750 to 1000W	**7.10**

Fixtures 6108-6148 have flat cone enameled steel reflector, ventilated hood, and lamp grip socket as above. Fitting is tapped ½-in. For ¾-in. add 10 cents list; for 1-in. or 1¼-in. add 15 cents list. Standard finish is black enamel.

No.		Reflector size	Lamp size	Each
6108	Copper hood	20 in.	750, 1000	**$6.90**
6109	Steel hood	20 in.	750, 1000	**5.70**
6144	Copper hood	16 in.	200	**5.00**
6145	Steel hood	16 in.	200	**4.40**
6146	Copper hood	18 in.	300, 400, 500	**5.70**
6148	Steel hood	18 in.	300, 400, 500	**5.00**

BENJAMIN TYPE "C" MAZDA FIXTURES

SCHEDULE II C

SINGLE UNITS — SUSPENSION STYLE — WEATHERPROOF UNITS

No. 701

No. 772C

No. 5105

For 100 to 500-Watt Mazda "C" Lamps

No.	Kind of hood	Finish	Length fixture	Size globe	Size of lamp, watts	Each
701C	Copper	Natural	12 in.	7x5 in.	100, 200	$2.80
703C	Copper	Black enameled	12 in.	7x5 in.	100, 200	2.40
705C	Brass	Brushed	12 in.	7x5 in.	100, 200	2.50
707C	Steel	Black enameled	12 in.	7x5 in.	100, 200	1.80
708C	Copper	Natural	13½ in.	8x6 in.	300, 400, 500	3.20
710C	Copper	Black enameled	13½ in.	8x6 in.	300, 400, 500	3.30
712C	Brass	Brushed	13½ in.	8x6 in.	300, 400, 500	3.40
714C	Steel	Black enameled	13½ in.	8x6 in.	300, 400, 500	2.30

Length over all, 19 inches

No.	Kind of hood	Finish	Size globe	Size of lamp, watts	Each
5103	Copper	Black enameled	10x6 in.	300, 400, 500.	$6.65
5104	Steel	Black enameled	10x6 in.	300, 400, 500.	4.35
5105	Copper	Black enameled	12x8 in.	750, 1000	7.15
5106	Steel	Black enameled	12x8 in.	750, 1000	4.85

Suspension Style.

No.	Kind of hood	Finish	Length of fixture	Size globe	Size of lamp, watts	Each
772C	Brass	Brushed	26 in.	7x5 in.	100, 200	$3.60
773C	Steel	Black enameled	26 in.	7x5 in.	100, 200	2.90
778C	Brass	Brushed	27½ in.	8x6 in.	300, 400, 500	4.50
779C	Steel	Black enameled	27½ in.	8x6 in.	300, 400, 500	3.40

Fixtures are complete less wire and lamps. There is no charge for packing.

BENJAMIN WEATHERPROOF FITTINGS

SCHEDULE IV

PORCELAIN SOCKET RINGS — SUSPENSION FITTINGS

No. 10

No. 6029

No. 6031

No. 6049

Porcelain Socket Rings.

No.		Standard package	Std. pkg. wt.	Each
10	For wireless clusters and plug clusters only	50	2 lbs.	$0.05

Suspension Fittings.

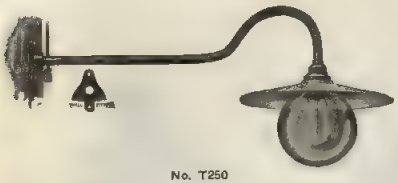
No.	Size tapped		Standard package	Std. pkg. wt	Each
6029	⅛ in.	Without shock absorber	20	16 lbs.	$0.30
6030	⅛ in.	With shock absorber	20	18 lbs.	.40
*6031	⅛ in.	With porcelain wire openings	20	10 lbs.	.60
*6031M	⅛ in. male	With porcelain wire openings	20	10 lbs.	.65
*6049	⅛ in.	With porcelain wire openings	20	23 lbs.	.75

*National Electrical Code Standard.

BENJAMIN WEATHERPROOF FITTINGS AND FIXTURES

SCHEDULE IIF

STREET HOODS



No. T250

Fixtures T100-T250 have porcelain-lined socket with copper hood, either 15 or 18-in. enameled steel reflector is used, 8x5 or 10x6-in. globe, gooseneck of ½-in. iron pipe overhanging 30 inches, and wall or pole fitting. Unless specified, wall fitting is regularly supplied. 8x5-in. globes are used with 15-in. reflector and take 100-watt lamps; 10x6-in. globes with 18-in. reflector and take 250-watt lamps. For fixtures less gooseneck and fitting deduct 90 cents list. Prices are less wires and lamps.

No.		Wt. each	Each
T100	Complete with 8x5 in. globe	8 lbs.	**$5.50**
T250	Complete with 10x6 in. globe	9 lbs.	**7.00**

No. 5015

15-inch enameled steel reflector, Type 1 body

Prices are less wires and lamps.

No.		Each
5012	2 Light, Multiple	**$3.80**
5013	3 Light, Multiple	**4.05**
5014	4 Light, Multiple	**4.30**
5015	5 Light, Multiple	**4.55**
5016	6 Light, Multiple	**4.80**

Weight 6 lbs. each.

POLE AND WALL FITTINGS

SCHEDULE IV

No. 5025

No. 5026

No.		Std pkg. wt.	Each
5025	Pole fitting, tapped ½ in	16 lbs.	**$0.30**
5026	Wall fitting, tapped ½ in.	8 lbs.	**.30**

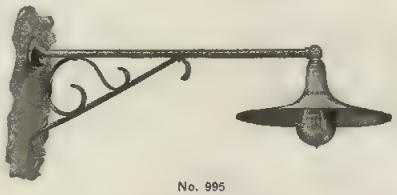
Standard package, 20.

STREET HOODS

No. 5471

Fixtures 5471-5472 have copper hood enclosing porcelain-lined W socket; 5 or 7-in. drop globes are used, gooseneck formed at angle of 45 degrees. Price less wires and lamps.

No.		Each
5471	Complete with 5x4 in. globe	**$4.20**
5472	Complete with 5x6 in. globe	**4.60**



No. 995

Fixtures 995-997 have 40-in. mast arm of ¾-in. pipe with ornamental scroll, flat porcelain enameled reflector socket and fitting with porcelain wire openings. For double scroll add $1.10 list, plain arm only deduct $1.10 list. Prices are less wire and lamps.

No.	Size reflector	Lamp size	Each
995	14 in.	25-40-60W	**$5.20**
996	16 in.	100-150W	**5.50**
997	18 in.	200-250W	**6.10**

GOOSENECKS AND BRACKETS

No. 5040

No. 5036

No.		Each
5036	Gooseneck, ½x30 in.	**$0.60**
5066	Gooseneck, ½x30 in., with wall or pole fitting	**.90**
5067	Gooseneck, ¾x40 in., with wall or pole fitting	**1.30**
5038	Bracket, ¾x40 in., without brace	**1.50**
5040	Bracket, ¾x40 in., with brace	**2.60**

Standard package, 20.

CUTTER SPECIALTIES

CENTER HOOD

17-in. Hood with spreader tip arm, Edison base socket.

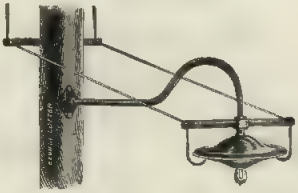
No.	Std. pkg. wt	Each
10	10 lbs	$2.80

LOOPED HOOD

17-in. Hood, enameled cross-arm, Edison base socket.

No.		Std. pkg. wt.	Each
20	1 Light	9½ lbs.	$2.40
	3 Light	10 lbs.	2.90
	5 Light	11 lbs.	3.40

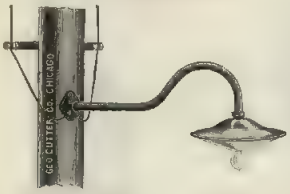
STANDARD STREET HOOD



Shipped complete with curved poleplate, 3-foot iron gooseneck, enameled arm, 17-inch waterproof hood, hinged reflector, and Edison base socket

No.		Std. pkg.	Std. pkg. wt	Each
30	1 Light	25	15 lbs.	$3.10
	3 Light	25	16 lbs.	4.10
	4 Light	25	17 lbs.	5.10
	5 Light	25	14 lbs.	4.60
Add for brace arm for back of pole				.55

INNER WIRED BRACKET



Complete with poleplate, 3-foot iron gooseneck, 17-inch waterproof hood, reflector and Edison base socket.

No.		Std. pkg.	Std. pkg. wt. lbs.	Each
40	1 light complete	25	13	$3.40
For brace arm for back of pole, add				.55

WALL BRACKET

Has pipe extending 1 foot inside of flange, making gooseneck 4 feet long, 17-inch hood, reflector and Edison base socket

No.		Std. pkg.	Std. pkg. wt., lbs.	Each
60	1 light complete	25	11	$3.00

URBAN STREET HOOD

Complete with poleplate, 3-foot iron gooseneck, spreader, 17-inch hood, reflector and Edison base socket.

No.		Std. pkg.	Std. pkg. wt., lbs.	Each
50	1 light complete	25	16	.55
For brace arm for back of pole, add				.55

12-INCH BRACKET HOOD

Same as standard street hood, but has smaller metal parts and shorter cross-arm. Shipped with plate, 3-foot gooseneck, hood, reflector and Edison base socket.

No.		Std. pkg	Std. pkg. wt., lbs	Each
70	1 light complete	25	13	$3.40
For brace arm for back of pole, add				.55

BENJAMIN FIXTURES

SCHEDULE IV

FIXTURE STEMS

No. 351

No.		Each
351	⅝x8 in. polished brass tubing, threaded	$0.30
352	⅜ in. iron pipe and ¾ in. polished brass casing, 8 in	.50
355	½ in. iron pipe and 1 in. polished brass casing, 12 in.	.70

Standard package, 20.

NIPPLES

No. 180

No.		Each
180	Brush brass, ⅛x¾ in	$0.12
181	Brass, nickel-plated, ⅛x¾ in.	.15

Standard package, 50.

FLANGES

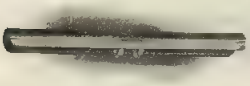
No. 194

No.		Each
194	Brush brass, female, ⅛x1⅛ in	$0.08
196	Brass, nickel-plated, female ⅛x1¼ in.	.10

Standard package, 50.

SHOW CASE REFLECTORS

Especially adapted for use with Benjamin twin socket or twin socket plug, for show case or window.



No. 272

Twin half shade.

No.		Std. pkg.	Std. pkg. wt.	Each
272	Nickel-plated	50	25 lbs.	$1.00

No. 282

Twin half shade, with opening for stem.

No.		Std. pkg.	Std. pkg. wt.	Each
282	Nickel-plated	50	25 lbs.	$1.00

SCHEDULE III

REDUCERS

No. 98

Mogul base to regular.

No.		Std. pkg.	Each
*98	Reducer	50	$0.25

TWIN SOCKETS

No. 412

Twin socket.

No.		Std. pkg	Each
412	Brush brass, ⅛ in.	50	$0.65
432	Brush brass, ¼ in.	50	.70
432	Brush brass, ⅜ in.	50	.70

Benjamin twin sockets are peculiarly adapted for showcase or show window work.

For special finish, add 5 cents list.

*National Electrical Code Standard.

"BENCO" KEYLESS SOCKETS

No. 4200

Medium screw base, aluminum shell, porcelain lined

No.		Std. pkg.	Each
4200	Tapped ½ in.	50	$0.60
4201	Tapped ⅜ in.	50	.60

BENJAMIN REFLECTOR SOCKETS AND FIXTURES

Sockets used are National Electric Code Standard

SCHEDULE IIR
FLAT CONE REFLECTOR SOCKETS

No. X5402

No.		Lamp size	Each
X5401	14 in. for short base lamps	25-40-60W.	$2.50
X5402	16 in. for skirted base lamps	100-150W.	2.80
X5403	18 in. for skirted base lamps	200-250W.	3.40
X5405	20 in. for skirted base lamps	200-250W.	4.00

SHALLOW BOWL REFLECTOR SOCKETS

No.		Lamp size	Each
X5437	12 in. for short base lamps	25-40-60W.	$2.50
X5423	14 in. for skirted base lamps	100W.	2.80
X5425	16 in. for skirted base lamps	150-200W.	3.40
X5427	18 in. for skirted base lamps	200-250W.	4.00
X5509	18 in. for Mogul base lamps	300-400-500W.	4.20

Nos. 5431-5509 have bushing tapped for ⅛ in. iron pipe and reflector of indicated design and dimensions only. They may be ordered tapped ⅜ in. or furnished with insulated bushing (¼ in. opening) for attaching lamp cord, without additional charge.

SCHEDULE IIF
FLAT CONE REFLECTOR FIXTURES

No. 5412

No.		Lamp size	Each
5443	14 in. for short base lamps	25-40-60W.	$3.40
5412	16 in. for skirted base lamps	100-150W	3.70
5413	18 in. for skirted base lamps	200-250W.	4.30
5415	20 in. for Mogul base lamps	200-250W.	4.80

SHALLOW BOWL REFLECTOR FIXTURES

No.		Lamp size	Each
5449	12 in. for short base lamps	25-40-60W.	$3.40
5420	14 in. for skirted base lamps	100W.	3.70
5422	16 in. for skirted base lamps	150-200W.	4.30
5424	18 in. for skirted base lamps	200-250W.	4.90
5521	18 in. for Mogul base lamps	300-400-500W.	5.10

Fixtures 5443-5521 have socket, reflector of indicated design and dimensions, gooseneck of ½-in. iron pipe, overhanging 30 in., and wall fitting.

SCHEDULE IIF
SHALLOW BOWL REFLECTOR FIXTURES

No. 6047

No.		Lamp size	Each
6027	12 in. for short base lamps	25-40-60W.	$3.30
6046	14 in. for skirted base lamps	100W.	3.60
6047	16 in. for skirted base lamps	150-200W.	4.20
6048	18 in. for skirted base lamps	200-250W.	4.80
6139	18 in. for Mogul base lamps	300-400-500W.	5.00

FLAT CONE REFLECTOR FIXTURES

No.		Lamp size	Each
6025	14 in. for short base lamps	25-40-60W.	$3.30
6037	16 in. for skirted base lamps	100-150W.	3.60
6038	18 in. for skirted base lamps	200-250W.	4.20
6039	20 in. for skirted base lamps	200-250W.	4.80

Fixtures 6025-6139 have socket, reflector of indicated design, 12-in. stem of ⅜-in. brass tubing, 5x4-in. canopy and crowfoot. Additional length stems list at 30 cents per foot. For shock absorber instead of crowfoot add 45 cents list. Standard finish in brush brass.

FLAT CONE REFLECTOR FIXTURES

No.		Lamp size	Each
6005	14 in. for short base lamps	25-40-60W.	$3.00
6053	16 in. for skirted base lamps	100-150W	3.30
6055	18 in. for skirted base lamps	200-250W.	3.90
6057	20 in. for skirted base lamps	200-250W	4.50

SHALLOW BOWL REFLECTOR FIXTURES

No.		Lamp size	Each
6007	12 in. for short base lamps	25-40-60W.	$3.00
6061	14 in. for skirted base lamps	100W.	3.30
6063	16 in. for skirted base lamps	150-200W.	3.90
6065	18 in. for skirted base lamps	200-250W.	4.50
6149	18 in. for Mogul base lamps	300-400-500W.	4.70

Fixtures 6005-6149 have socket, reflector of indicated design, 12-in. stem of ⅜-in. galvanized iron pipe and shock absorber. Additional length stems list at 20 cents per foot.

Prices are less wires and lamps.

GROCERIES

THE MARKET Present information indicates our prediction of immense crops this year will be fulfilled. The Government is sparing no effort to bring about such results. Besides it is working along other lines with a view of bring down the cost of foods. Already several staples show declines within the last few days and probably in another two or four weeks a general reduction will take place. **The crest has undoubtedly been reached.**

Our lines are nearly complete and if you will buy for your needs from week to week you will be in a favorable position later should lower prices prevail You, Mr Dealer, are making a serious mistake if you do not watch "Our Drummer" closely and consult it before you buy anything. To be without goods may cause you loss of trade; to be wrong in price is still worse. You can avoid both by tying to the guaranteed prices in "Our Drummer."

Price Guarantee Grocery prices are unreservedly guaranteed until June 11, 1917, except on a limited number of well known items such as flour, Campbell's Soups, Quaker Oats, etc., which will be billed at lowest market prices on the day order is received, whether higher or lower than those here named. After June 7th, prices named in our June Grocery list will apply. Ask us to put your name on the list for a copy each month.

We reserve the right to limit quantities

CANNED GOODS UNDER PACKERS' LABELS

CANNED FRUITS AND VEGETABLES—See following pages for regular lines

2Y5034

2Y4934

2Y4839

2Y5049

2Y4784

2Y5068

Packers' Brand Lima Beans—Real body-building food that you can use to get business.
2Y5034—No. 2 tins, 2 doz. in case, 44 lbs. (Total $2.58) Doz. **$1.29**

"Dish" Grapefruit—Only the pulp in large pieces is canned, just the eatable part of the fruit, no waste here.
2Y4934—No. 3 tins, 4 doz. in case, 46 lbs. Total $4.00 Doz **$1.09**

Cut Okra—A great southern product.
2Y4839—No. 2 tins, 2 doz. in case, 44 lbs. (Total $2.38) Doz. **$1.19**

Packers' Brand—High grade tender June peas No. 4 sieve Alaska's, Bar Le duc sizes.
2Y5049—No. 2 tins, 2 doz. in case, 44 lbs. (Total $3.18) Doz **$1.59**

Alaska Peas—Tender sifted Alaska peas. Real value
2Y4784—No. 2 tins, 2 doz. in case, 44 lbs. (Total $3.48) Doz. **$1.74**

Red Beans—Tender, fine eating, in good sauce
2Y5061—Full No. 2 tins, 2 doz. in case, 44 lbs. Total $2.48) Doz. **$1.24**

2Y4914

2Y4945

2Y4967

2Y4918

CALIFORNIA FRUITS

Here are four of California's finest products in good syrup at a price that will enable you to offer your trade something really high grade at a very low price. Get the year that few housewives canned fruit we are in a position to give you values you cannot get elsewhere. Don't wait—buy now. When they are gone we will have no more until next year. Buy them assorted or straight varieties.

2Y4914—Apricots, 14 oz. tins, 4 doz. in case . . . . . Doz. **$1.12**

2Y4945—Sliced Peaches, 14 oz. tins 4 doz. in case
2Y4967—Muscat Grapes 14 oz tins 4 doz. in case
2Y4918—Plums 14 oz tins 4 doz. in case
2Y4915—Assorted 14 oz tins 2 doz apricots 2 doz peaches
2Y4938—Assorted 14 oz tins 1 doz apricots, 1 doz. peaches 1 doz grapes and 1 doz plums 4 doz in case
Doz. **$1.09**

Dealers' HELPS

Butler Brothers supply dealers with numerous FREE selling helps—including moving picture films, window cards, window curtains, price tickets, etc. Stock a variety of "Consumer" and "Commonwealth" foods and get these selling helps

FREE

"CONSUMER" CANDIED PEELS

You cannot get better quality or more attractive goods at this price.
Candied Peels—Best quality select red peels plenty of sugar in the cans jumbo boxes
2Y4955—10 lb. box fancy candied citron 15 lbs. Lb. **20¢**
2Y4953—25 lb. box fancy candied citron, 28 lbs. Lb. **20¢**

SMALL MICHIGAN FRUITS

Big spring sellers High grade fruit in good syrup.

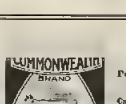
Asstd. Cases—No. 1 tins, red cherries, sliced peaches strawberries & black raspberries
2Y4966—Asstd 4 doz. in case 46 lbs (Total $5.16) Doz. **$1.29**
Red Cherries—No 1 tins
2Y4949—4 doz. in case 46 lbs (Total $5.16) Doz **$1.29**
Black Raspberries—No. 1 tins.
2Y4970—4 doz. in case 46 lbs Doz **$1.29**
(Total $5.16)
Sliced Peaches No 1 tins
2Y44—4 doz. in case, 46 lbs Doz **$1.29**
Total $5.16)
Strawberries—No 1 tins
2Y4474—4 doz. in case, 46 lbs Doz **$1.29**
(Total $5.16)

PUT IN A GROCERY DEPARTMENT!

Let us start you in the grocery business. We can make up good stocks from $100 up. "Better foods for less money" is our watchword. Our dealers' helps will assist you in getting the business. Write us for prices and particulars—we will give you the benefit of our experience Write today—a postal will do.

2Y4538—Vegetable
2Y4565—Pea
2Y4560—Corn
2Y4561—Hominy
2Y4562—Tomato
2Y4564—Asparagus
2Y4566—Chicken
2Y4567—Beef
2Y4568—Mushroom
2Y4557—Tomato
2Y4571—
Doz. **$1.14** (Total $6.60)
Doz. **$1.19**

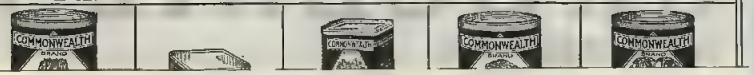
(Total $4.60 Doz. **$1.15**)
2Y5063—Special assrtd 6 cans each green Pea Soup, Asparagus Soup, Black Bean Beef Soup, Celery, Consommé and Beef Bouillon Doz. **$.99**
Campbell's—4 doz. tins in case 46 lbs
2Y4701 Vegetable
2Y4702 Tomato
Doz.



2Y4461 Small cans, 6 doz. in case 46 lbs. **$4.24**
2Y4548—Tall " 4 " " 80 " **5.89**
Pet
2Y4740—Sma 13 oz. 6 doz. in case 45 lbs **4.34**
2Y4670—Tall " 4 " " 00 " **5.75**
Carnation—
2Y4741 Sma. 4 oz. 8 doz. in case 47 lbs **5.86**
2Y4672 Tall " 4 " " 00 " **5.75**
Ferriess—

"COMMONWEALTH" QUALITY FIRST VEGETABLES

"Commonwealth" means HIGHEST POSSIBLE QUALITY on food products.



"CONSUMER" POPULAR PRICED VEGETABLES

The Brand that satisfies—honest goods to retail at popular prices.

ASPARAGUS—For trade wishing a good quality here are the goods. 3 to 5 count

2Y4531 No. 1 tall Lig. 2 doz. in case 46 lbs. Doz. **$1.79**
(Total $5.58)

BEANS Cut Wax—The most delicious and tender flat pod, cut wax beans.

3Y4507 No. 2 tin, 2 doz. in case 44 lbs. Doz. **$1.85**
(Total $3.70)

BEANS With Pork, Plain—
2Y4505—No. 1 tin, 4 doz. in case 46 lbs. Doz. **$1.04**
(Total $4.16)
3Y4508 No. 2 tin, 2 doz. in case 44 lbs. Doz. **$1.84**
(Total $3.68)
2Y4506 No. 3 tin, 2 doz. in case 70 lbs. Doz. **$2.69**
(Total $5.38)

BEANS With Pork, Tomato Sauce
2Y4503—No. 1 tin, 4 doz. in case 46 lbs. Doz. **$1.03**
(Total $4.12)
3Y4527 No. 2 tin, 2 doz. in case 44 lbs. Doz. **$1.69**
(Total $3.38)
2Y4520—No. 3 tin, 2 doz. in case 70 lbs. Doz. **$2.79**
(Total $5.58)

BEANS Red Kidney—Improved variety dark red beans packed with a rich sauce.

2Y4503—No. 2 tin, 2 doz. in case 44 lbs. Doz. **$1.59**
(Total $3.18)

BEANS Cut String—Pinefine, progressive string bean cut for ripe beans.

2Y4500 No. 2 tin, 2 doz. in case 44 lbs. Doz. **$1.69**
(Total $3.38)

BEANS Whole String—Popular sized cutting beans company is easily with higher priced goods.

2Y4505 No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.85**
(Total $3.70)

BEANS Whole Wax—Standard, grade of tender beans. Big value for the money

2Y4508 No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.79**
(Total $3.58)

BEANS Lima—Fine flavored beans packed as they mature, not soaked

2Y4504 No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.79**
(Total $3.58)

BEETS—Delicious tender, flavory, cut red beets.

2Y4510—No. 3 tin, 2 doz. in case, 70 lbs. Doz. **$2.09**
(Total $4.18)

CORN Sweet—Good tender quality sweet corn.

2Y4500—No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.89**
(Total $3.78)

HOMINY Lye—Large white grains of good quality hominy that always satisfies.

2Y4509—No. 2 tin 2 doz. in case, 70 lbs. Doz. **$1.14**
(Total $2.28)

PEAS Sweet Wrinkled—Extra sweet and tender, most delicious flavor. Not too large.

2Y4517 No. 2 tin 2 doz. in case, 44 lbs. Doz. **$1.59**
(Total $3 18)

PEAS Alaska—High class peas. No. 2 tins, 2 doz. in case, 44 lbs. Doz.
2Y4512—Early June..... **$1.54**
(Total $3.08)
2Y4511—Sifted..... " **1.69**
(Total $3 38)
2Y4510—Extra sifted. - **1 94**
(Total $3 88)

PUMPKIN Smooth, good color, selected quality

2Y4501—No. 3 tin, 2 doz. in case, 70 lbs. Doz. **$1.59**
(Total $3.18)

SPINACH—Selected leaves from fresh cuts and sand. 2 doz. in case

2Y451—No. 2 tin, 44 lbs. Temp Out
2Y4516—No. 3 tin, 70 lbs. Doz. **$2.59**
(Total $5.18)

SUCCOTASH—A fine pack of fresh corn and soaked lima beans

2Y4513—No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.94**
(Total $3.88)

SWEET POTATOES—Packed "Brown Rose" where good sweet potatoes grow

2Y4503—No. 3 tin, 2 doz. in case, 70 lbs. Doz. **$2.09**
(Total $4.18)

TOMATOES—Red ripe, more or less whole tomatoes and large pieces rich flavor.

2Y4502 No. 2 tin, 2 doz. in case, 44 lbs. Doz. **$1.99**
(Total $3.98)
2Y4524—No. 3 tin, 2 doz. in case, 70 lbs. Doz. **$2.69**
(Total $5.38)

TOMATO PUREE—A product of whole red ripe tomatoes, excellent color and flavor.

2Y4514—No. 1 tin, 4 doz. in case, 48 lbs. Doz. **$1.04**
(Total $4.16)

"CONSUMER" ASSORTMENTS

To enable you to try our popular priced Consumer" foods we have prepared the following three assortments in cases of two dozen each. Order a case or two. Test them out in your own home. COMPARE!

VEGETABLE ASSORTMENT

A variety of Sweet Corn Early June Peas Red Kidney Beans Cut Wax Beans Cut String Beans Whole String Beans Whole Wax Beans Lima Beans Sifted Peas Extra Sifted Peas Pumpkin Succotash Spinach Tomatoes Tomato Puree Sweet Potatoes

FRUIT AND VEGETABLE ASSORTMENT

A variety of Red Ripe Tomatoes, Hominy, Beans with pork in tomato sauce Beans with pork, plain Red Kidney Beans Cut Wax Beans Cut String Beans Whole String Beans Whole Wax Beans Lima Beans Sifted Peas Extra Sifted Peas Pumpkin Succotash Spinach Tomatoes Tomato Puree Sweet Potatoes

FRUIT ASSORTMENT

A variety Apricots, Sliced Yellow Cling Peaches, Yellow Free Peaches, Yellow Cling Peaches, White Cherries, Green Gage Plums, Egg Plums, Bartlett Pears, Red Raspberries, Black Raspberries, Loganberries, Blackberries, Red Currants, Gooseberries, Pineapple, Grated Pineapple, Pineapple Chunks, Pineapple Tidbits, Pineapple Slices, Pineapple Juice, Grape Fruit, Grape Fruit Juice, Orange Juice, Red Cherries, Black Cherries, Strawberries, Quinces, Figs, Peaches, Pears, Plums, Apples, Apple Sauce

"CONSUMER" POPULAR PRICED FRUITS

The brand that satisfies—honest goods to retail at popular prices.

APPLES—Quartered and cored fruit, white, firm pieces.
2Y4501—No. 2 tin. 2 doz. in case. 70 lbs. Doz. **$1.74**

APRICOTS—High grade ripe fruit, good size packed in syrup.
2Y4492—No. 2½ tin. 2 doz. in case. 67 lbs. Doz. **$2.39**

BLACKBERRIES Large selected berries, packed in syrup.
2Y4470—No. 2 tin. 2 doz. in case. 64 lbs. Doz. **$2.09**

BLUEBERRIES—The kind that are good pies.
2Y4485—No. 2 tin. 2 doz. in case. 64 lbs. Doz. **$1.99**

CHERRIES White Western, not very scarce and high this year. These are good quality.
2Y4483—No. 2½ tin. 2 doz. in case. 67 lbs. Doz. **$3.55**

CHERRIES Pitted Red—Bright red fruit with good syrup; just the thing for pies, sauce, etc.
2Y4480—No. 2 tin. 2 doz. in case 64 lbs. Doz. **$2.64**

GOOSEBERRIES—Large berries packed in syrup, fine for pies.
2Y4481—No. 2 tin. 2 doz. in case. 64 lbs. Doz. **$1.94**

PEACHES Sliced—High grade fruit in syrup, rich peach flavor, cans well filled
2Y4477—No. 2 tall tin. 4 doz. in case. 69 lbs. Doz. **$1.29**

PEACHES Peeled California Yellow Leaves, unrivaled to make good pies or table if desired. Good value
2Y4640—No. ½ tin. 2 doz. in case. 67 lbs. Doz. ***1.74**

PEARS—Good grade, syrup packed and hard to beat at this price. 2 doz. in case. Doz.
2Y4502—No. 2 tin 44 lbs..**$1.39**
2Y4541—" 3 " 70 " .. **1.84**

PEARS Bartlett Delicious fruit, white and tender packed in good syrup.
2Y4500—No. 2½ tin. 2 doz. in case. 67 lbs. Doz. **$3.04**

PINEAPPLE Hawaiian—The choicest fruit of the Hawaiian Islands packed in good syrup. Canned especially for us. A comparison will prove its superior quality

GRATED	Doz.
2Y4487—No. 1 flat tin 4 doz. in case, 43 lbs	$1.29
2Y4488—No. 2 tall tin 2 doz. in case, 64 "	1.99
2Y4489—No. 2½ tall tin, 2 doz. case, 67 "	2.89

SLICED	Doz.
2Y4490—No. 1 flat tin 4 doz. in case, 43 lbs	$1.29
2Y4496—No. 2 tall tin 2 doz. in case, 64 "	1.99
2Y4500—No. 2½ tall tin, 2 doz. case, 67 "	2.89

PLUMS—A select variety of eastern plums so much loved for popular trade. Good 10 center
2Y4484—No. 2 tin. 2 doz. in case. 64 lbs. Doz. **$1.29**

PLUMS Green Gage—California green gages packed in good syrup.
2Y4495—No. 2½ tin. 2 doz. in case. 67 lbs. Doz. **$2.50**

PLUMS Egg Purple High quality as grows California pack.
2Y4499—No. 2½ tin. 2 doz. in case. 67 lbs. Doz. **$2.40**

RASPBERRIES Red Cultivated variety, bright red fruit with that red Raspberry taste, packed in syrup.
2Y4482—No. 2 tin 2 doz. in case. 64 lbs. Doz. **$2.49**

RASPBERRIES Black—Very desirable grade packed in good syrup
2Y4483—No. 2 tin 2 doz. in case. 64 lbs. Doz. **$2.64**

STRAWBERRIES—Good quality berries packed in syrup.
2Y4478—No. 1 tall tin. 4 doz. in case 46 lbs Doz. **$1.29**

THREE BIG SPECIALS IN PEACHES

Selected yellow peaches, sliced and halved, packed in delicious heavy syrup. Quality cannot be duplicated at anywhere near these prices.

YELLOW FREE—Uniform selected fruit packed in good syrup. 12 to 14 halves in tin.
2Y4498—2½ tin. 2 doz. in case, 67 lbs. Doz. **$2.39**

YELLOW CLING—Good size, firm and of fine flavor, 12 to 14 halves in tin.
2Y4496—No. 2½ tin. 2 doz. in case, 67 lbs. Doz. **$2.49**

SLICED YELLOW CLING—High grade fruit, sliced and packed in good syrup.
2Y4497—No. 2½ tin. 2 doz. in case. 67 lbs. Doz **$2.49**

RECIPE ON EVERY "CONSUMER" LABEL

Your customers will appreciate this feature on "Consumer" canned foods. No looking up cook books—it's right on the the label. A big talking point for you. Try one or more of the following

SWEET WRINKLED PEAS—No. 2 tins.
2Y4517—2 doz. in case. Doz. **$1.59**

SWEET POTATOES—No. 3 tins.
2Y4523—2 doz. in case. Doz. **$2.09**

PITTED RED CHERRIES—In syrup, No. 2 tins.
2Y4480—2 doz. in case. Doz. **$2.64**

HAWAIIAN SLICED PINEAPPLE—No. 2 tins.
2Y4488—2 doz. in case. Doz. **$2.29**

SWEET CORN—No. 2 tins.
2Y4509—3 doz. in case. Doz. **$1.89**

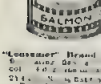
BEANS WITH PORK.
2Y4827 Tomato sauce. No. 2 tins. 2 doz. in case Doz. **$1.89**

SEA FOODS

These highly nutritious and palatable foods are being sold in larger quantities every year. Buy them from this page and get guaranteed quality at lower prices. All staple year 'round sellers.

SALMON

"Consumer" Brand [illegible] Cold [illegible]
2Y4[illegible] No. ½ tin. Case $1.49
2Y4501—No. 1 tall tin 48 oz. (Tall F. O.) Doz. $1.98



"Consumer" Red Alaska. Good red color, select pack 4-oz. tins in case.
2Y4534—No. ¼ flat tin, 37 lbs. (T. ½ F. 36) Doz. $2.14
2Y4[illegible] No. ½ tin. Case $1.10
2Y4[illegible] No. 1 tall tin. Doz. $2.19
(Broken cases 10c per tin. Have No less than 1 doz. sold.)

"Commonwealth" Nova Scotia Boneless Red Salmon with [illegible] of fat and oil, [illegible] by the best canneries [illegible] delicious flaky and [illegible] quality.
2Y4413—No. ½ tin. 30 lbs. (T. ½ F. [illegible]) Doz. $2.69
2Y4415—No. 1 tall tin, 68 lbs. (T. ½ F. [illegible]) Doz. $4.79
(Broken cases 5c per tin more. No less than 1 doz. sold.)

"Commonwealth" Brand—Raw [illegible] deep sea lobster.
2Y4[illegible] No. ½ tin. Case $2.44
2Y4511—No. ½ tin. 4 doz. in case. Doz. $3.64
(Broken cases 15c per tin. No less than 1 doz. sold.)

TUNA FISH

"Commonwealth" Brand—Pacific ocean fish of white [illegible]
No less than 1 doz. [illegible]
2Y4286—No. ½ tin. (Total $10.56) Doz. $2.74
2Y4[illegible] [illegible] Case $3.90
(Broken cases 5c tin more.)

"Albacore" Tuna—This is a pack of light and dark meat which in taste [illegible] Sea. "Albacore" sells for less, but all the nourishment of the white meat
2Y5014—No. ½ tins, 4 doz. in [illegible] Doz. $1.29
[illegible]
2Y5015—No. 1 tin, 4 doz. in [illegible] Doz. $1.99
(Total F. [illegible])

SANDWICH TUNA

"Lunch" Brand—A new product of the popular California tuna fish. Potted meat. Very delicious, well spiced [illegible] sandwiches [illegible]
2Y4408—No. ½ tins, 6¼ oz. net. 4 doz. in case. Doz. [illegible]
(Total [illegible])

SHRIMP

"Commonwealth" Brand—Panama Bay [illegible] Packed in wood [illegible] which keeps the meat in excellent condition, [illegible] Doz. $2.39
[illegible] Doz. $2.99

CRAB MEAT

"Nassco" Brand—Very delicious deep sea food, similar [illegible] Packed in wood [illegible] which keeps the meat in excellent condition, [illegible] Doz. $2.99

DEALERS' HELPS

Butler Brothers supply dealers with numerous [illegible] Our [illegible] Our [illegible] Our [illegible] each window curtains, [illegible] Our [illegible] Our [illegible] Our

CEREALS, MACARONI

SPAGHETTI, NOODLES, FLOUR, BAKING POWDER, ETC.

CEREALS—Consumer, Commonwealth and Other Well-Known Brands

Barley, "Commonwealth"—Medium fine, extra quality pearl.
2Y4817—1 lb. pkg. 2 doz. in container
Container, $2.66

Granulated Hominy, "Commonwealth"—Superior
2Y4[illegible] pkg. 2 doz. in container
Container, $3.78

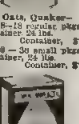
Rolled Oats, "Commonwealth"—Large selected [illegible] from hulls and [illegible]
2Y4611—3 lb. Carton, 32 oz. [illegible] in container
Doz. $1.14

Rice—"Consumer"—Bold [illegible] quality
2Y4619—1 lb. net pkg. 24 in container 28 lbs. Pkg. 10½c

Toasted Corn Flakes, "Consumer"—Rich brown crisp flakes. Is economy equalizing within 1 ounce what the regular 10 cent packages on the market do. Use as a delicacy. It will not run stale.
2Y4611—7oz. net pkg. 36 in container. $1 lbs.
Container, $1.73

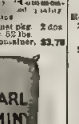
Hominy in Bags—Pearl and granulated, the best quality
2Y4800—Pearl, 100 lb. bags
Cwt. $5.09
2Y4817—Granulated [illegible] bags
Cwt. $6.09

Rolled Oats, Quaker—
2Y4618—18 regular pkgs. in container 24 lbs.
Container, $1.54
2Y4608—36 small pkgs. in container, 24 lbs.
Container, $1.54

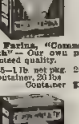


Rice, "Common wealth"—Large whole bean fancy head uncoated.
2Y4625—5¼ lb. net pkg. 24 in container, 67 lbs. Pkg. 26½c

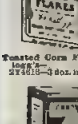
Rice—Broken
2Y5019—[illegible] bar Bag, $6.99



Wheat Farina, "Commonwealth"—Our own pack guaranteed quality.
2Y4625—1 lb. net pkg. 24 in container, 20 lbs.
Container, $3.29



Rice, Fancy—Large bold, fluffy bean head rice, the kind that equally sells for more money, best quality.
2Y4627—96 lb. bags
Bag, $9.99



Corn Meal, "Commonwealth"—[illegible] Bolted [illegible] [illegible] [illegible]

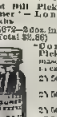
PICKLES, SPICES, CONDIMENTS, ETC.

PICKLES

2Y4660-71 2Y4673

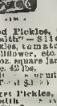
"Consumer" — Whole sweet or sour pickles, sweet or sour mixed pickles, chow chow, mixed bulk or sweet pickles, all packed in screw cap jars. 2 doz. in case. 58 lbs.
Doz.
2Y4666—Sour mixed...$1.19
2Y4667—Sweet ... 1.44
2Y4668—Small sour ... 1.19
2Y4669—Small sweet ... 1.44
2Y4671—Chow Chow ... 1.19
2Y4690—Swt. Picc'alilli 1.44

Sliced Dill Pickles, "Consumer" — Long quartered pickles.
2Y4672—3 doz. in case, 67 lbs. (Total $6.86) Doz. $1.44



"Consumer" — Sliced Dill Pickles, tomatoes, onions, cauliflower, etc. Packed in 12 oz. square jars. 2 doz. in case, 42 lbs. Doz.
2Y4674—Assorted ... $1.65
(Total $19.8)

Midget Pickles, "Consumer" — Midget, selected, small, 2 sizes of midgets in jar. 2 doz. in case, 44 lbs.
2Y4676—Sour ... Doz. $2.10
2Y4679—Sweet ... Doz.



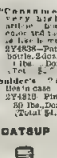
2Y4686 2Y4690

SAUCES

English Style Worcester Sauce, "Consumer" — No better can be made. Better than at 30c.
2Y4684—One quart bottle, 2 in case, weight 4 lbs. Doz. $2c

Pepper Sauce, "Consumer" — Red and green. Quality the best, in handy tapering bottle in glass mailing box. Per bottle case.
2Y4902—Red and green sauce. Doz. 92c

CHILI SAUCES



2Y4810

"Consumer" — A very high, appetizing, delicate red sauce, tempting flavor and appearance. Packed in glass bottles, 2 doz. in case, 58 lbs.
2Y4838—Patent cap bottle, 24oz. in case ... Doz. $1.35
2Y4810—Builder's "does both" in case. 2Y4810 Pint bottle, 80 lbs. Doz. $2.39 (Total $4.78)

CATSUP

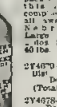
2Y4977

"Commonwealth" — Made from carefully selected tomatoes and purest spices, complies with all pure food laws, beautiful color, delicious flavor, absolutely pure.
2Y4077—18 oz. bottle, 2 doz. in case ... Doz. $2.09 (Total $4.18)
2Y4078—16 oz. bottle, 2 doz. in case ... Doz. $2.04 (Total $5.88)

HORSE RADISH

Pure — Strong, absolutely pure.
2Y4082—6 oz. bottle, 1 doz. in case, 13 lbs. Doz. $89

VINEGAR

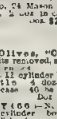


"Consumer" — Only average brand of this type, compares with all we except "Commonwealth." Large bottles, 1 doz. in case, 40 lbs.
2Y4870 — White Dist. Doz. $1.04 (Total $2.08)
2Y4078—Cider. Doz. $1.24 (Total $2.48)

OLIVES

2Y4651 2Y4652

Plain Olives, "Consumer" — Selected variety of plain Queen olives.
2Y4654—No. 12 cylinder bottle, large fruit, 6 doz. in case, 57 lbs. ... Doz. 96c
2Y4659—No. 24 cylinder bottle, large fruit, 2 doz. in case, 46 lbs. ... Doz. $1.54
2Y4660—No. 10 cylinder bottle, medium fruit, 6 doz. in case, 57 lbs. ... Doz. $2.53
2Y4651 — No. 24 Mammoth, large fruit, 2 doz. in case, 46 lbs. ... Doz. $2.54



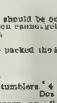
Stuffed Olives, "Consumer" — Pine removed, stuffed with all pure food laws, beautiful color, delicious flavor, absolutely pure.
2Y4662—No. 12 cylinder bottle, 6 doz. in case ... Doz. 98c
2Y4663—No. 24 cylinder bottle, 2 doz. in case ... Doz. $1.54
2Y4660—No. 10 cylinder bottle, 6 doz. in case ... Doz. $2.53
2Y4651 — No. 24 cylinder bottle, 2 doz. in case ... Doz. $2.54

2Y4655

Assorted Olives, "Consumer" — Plain and stuffed olives as above, both packed in one case.
2Y4933 — Cylinder bottles, 3 doz. plain and 3 doz. stuffed olives. About 50 lbs. (Total 4 doz.) Doz. $3.38 (Total $3.92)

Ripe Olives, Packer's — Less ripe than large Tenis.
2Y4942—2 doz. in case, 35 lbs. (Total $4.18) Doz. $2.24

"COMMONWEALTH" PURE MUSTARD



2Y3988

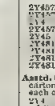
"Commonwealth" — Pure imported Italian seed, carefully selected for purest flavor. A dandy 10c and 15c seller.
2Y4815 — Pint bottle, 2 doz. in case, 58 lbs. (Total $1.92) Doz. $89
2Y4816 — English style, 2 oz. jars, 2 doz. in case, 28 lbs. (Total $1.78) Doz. $89

"COMMONWEALTH" MAMMOTH OLIVES

2Y5625

"Commonwealth" Mammoth Olives — Green large luscious Spanish olives, attractively placed in large cylinder packers cap bottles, containing 1 pint 5 ounces. 1 doz. per case. Doz. $2.69

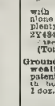
SALAD OILS & DRESSINGS



2Y4645 2Y4646

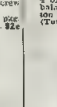
Salad Dressing, "Consumer" — Fancy grade, a quality that pleases the most particular.
2Y4085—6oz. bottle, screw top. 2 doz. in case, 36 lbs. (Total $1.96) Doz. 98c
Salad Oil, "Consumer" — Excellent quality. 2 doz. bottles in case.
2Y4681—8oz. regular bottle, 10 lbs. ... Doz. 72c (Total $1.44)
2Y4682—16 oz. regular bottle 18 lbs. ... Doz. $1.24 (Total $2.48)

OLIVE OIL



2Y4832

"Consumer" — Pure Lucca, highest grade imported olive oil for table and medicinal uses, lithographed tin, screw cap.
2Y4832—2 qt. tin. 1 in case 20 lbs. ... Each 92c



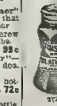
"Cyrilla" — Pure imported Italian olive oil, carefully selected for purest flavor. A dandy 10c and 15c seller.
2Y4815 — Pint bottle, 2 doz. in case, 58 lbs. (Total $1.92) Doz. $89
2Y4816 — English style, 2 oz. jars, 2 doz. in case, 28 lbs. (Total $4.78) Doz. $2.48

SPICES AND HERBS

2Y4682 2Y4674

Whole Spices, "Consumer" — Open lock cartons. 1 doz. in pkg., about 1 lb.
Doz. Cartons
2Y4669 Allspice ... $0.48
2Y4691 Ginger ... .48
2Y4693—Cloves ... .48
2Y4695—Stick cinnamon ... .48
2Y4704—Celery seed ... .48
2Y4705—Mustard seed ... .48
2Y4706—Mixed spice ... .48
2Y4691—Black pepper ... .48
Asstd. Whole Spices— Doz. 38c
2Y4685—4oz. in case. (Total 76c)

Ground Spices, "Consumer" — Absolutely pure, big value 8 cent cartons. 1 doz. cartons in pkg., about 1 lb.
Doz. Cartons
2Y4672—Black pepper. $0.23
2Y4674—Jamaine ... .23
2Y4675—Ginger ... .23
2Y4676—Nutmegs ... .23
2Y4677—Cloves ... .23
2Y4681—Red pepper ... .23
2Y4678—Mustard ... .23
2Y4679—Mixed ... .23
2Y4684—White pepper ... .23
Asstd. Ground Spices— 1 doz. cartons in pkg. 8 cents each or 6 cents each in full balance.
2Y4687—2 doz. in pkg. 15 lbs. ... Doz. 38c
(Total $1.14)



2Y4666

Pure Ground Black Pepper, "Consumer" — In large glass shaker with metal top. Shaker alone is sold for 5c once plenty.
2Y4846—4 doz. shakers in 1 case, 17 lbs. ... Doz. 46c (Total $1.38)

Ground Spices, "Commonwealth" — In large 4 patent shaker top, one thing to a customer, 1 doz. in a case, 1 doz. tins in carton. 4 lbs.
Doz.
2Y4680—Black pepper ... $0.85
Allspice ... .25
Cinnamon ... .25
Cloves ... .25
White pepper ... .25
Ginger ... .25
Nutmegs ... .25
Mustard ... .25
Cayenne Pepper ... .25
2Y4678—As above. Asstd. Black pepper 2 each. Total 10 tins ... Doz. 84c
(Total $1.68)

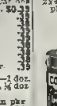
Nutmegs (Amazon grade) — Grated fine with a grater on the side of the can.
2Y4844 — 1 doz. in pkg. 1 lb. Doz. 42c

2Y4 2Y4

Curry Powder, "Consumer" — Shaker bottle, aluminum cap, will not tarnish. Each in carton.
2Y4810—Shakers. 1 doz. in pkg., 5 lbs. ... Doz. 81c

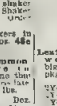
Celery Salt, "Consumer" — Vase bottle shakers, aluminum cap. Each in carton.
2Y4806—4 oz. shaker, 1 doz. in pkg., 5 lbs. ... Doz. 81c

Poultry Seasoning, "Consumer" — Select quality, aluminum cap shakers. Each in carton.
2Y4686—Shaker. 1 doz. in pkg., 5 lbs. ... Doz. 81c



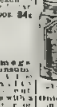
2Y4704 2Y4705

"Consumer" Imported Paprika — Packed in shaker or pouring top cylinder tins. 1 doz. in box. Doz.
2Y4704—5c tins, 1 lb. $0.48
2Y4705—10c tins, 2 lbs. .94



Leaf Herbs, "Commonwealth" — Finest quality whole leaf packers. 4 doz. pkgs. in carton. 2 lbs.
2Y4708—Mint leaves
2Y4709—Majoram
2Y4696—Savory Doz.
2Y4697—Thyme Doz.
2Y4701 Assorted. 3 pkgs. mint, 3 sage and 3 each of marjoram, savory and thyme. 36c
2Y4801—Sage Doz. 37c

"NOSCO" SEASONINGS



2Y4872 2Y4873 2Y4874

Onion Salt, "Nosco" — 1 doz. in box.
2Y4872—4 oz. Doz. $1.29

Celery Salt, "Nosco" — 1 doz. in box.
2Y4873—4 oz. Doz. $1.29

Poultry Seasoning, "Nosco" — 1 doz. in box.
2Y4874—4½ oz. ... Doz. $1.29

"CONSUMER" MUSTARD

Prepared mustard is always in demand—and these are popular sellers that should be on the shelf of every grocery store. Try a few cases of "Consumer" mustards. You cannot get better values for your money anywhere else. Make this brand your staple seller.

"Consumer" — You can get both the German and French style. They are packed the same way and are the largest packages and best quality for the money.

2Y4847 2Y4848 2Y4681 2Y4680

GERMAN STYLE—
2Y4847 — Large tumblers, 4 doz. in case, 81 lbs. Doz. 54c
2Y4848 — Large mason jar, 2 doz. in case, 61 lbs. Doz. $1.09

FRENCH STYLE—
2Y4681 — Big 5 cent seller, of pure mustard, tumblers, 6 doz. in case, 43 lbs. Doz. 49c
2Y4680 — A big package good quality of pure mustard in mason jar. 2 doz. case, 50 lbs. Doz. $1.04

"COMMONWEALTH" QUALITY FIRST DRESSINGS

Here are three new items. A dressing instead of butter for sandwiches that adds zest and flavor to any meat. A pepper hash for meats to be used like chili sauce, very rich, palatable flavor, and Commonwealth dressings that is different and better than any you ever tasted. None of these goodies contain oil or other products that will ferment.

"Commonwealth" Sandwich Dressing — A blend of chopped olives, pimentoes, pickles and green peppers and spices.
Doz.
2Y4879—3 oz. net jars, 2 doz. case ... $0.90
2Y4880—8½ oz. net jars, 2 doz. case ... 2.10

"Commonwealth" Pepper Hash — A combination of onions, pimentoes, green peppers, celery spices and red and green peppers to be used as chili sauce for meats, etc.
Doz.
2Y4881—3½ oz. net jars, 2 doz. case ... $0.85
2Y4882—8½ oz. net jars, 2 doz. case ... 2.10

"Commonwealth" Mayonnaise — A delicate salad dressing that can be thinned out to suit the taste
2Y4883 — 3 oz. net jars, 2 doz. in case ... Doz. 89c
2Y4884 — 8½ oz. net jars, 1 doz. in case ... Doz. $2.10

2Y4879-80 2Y4881-82 2Y4883-84

SHAVING BRUSHES

RUBBERSET

TRADE MARK

Sectional view shows why the bristles in a Rubberset brush won't come out.

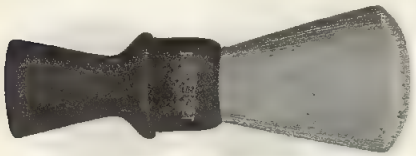
The butt ends of the bristles are first embedded in a solid head of soft rubber. This head is then bound with a strong metal belt and then placed in a die and vulcanized (hardened) under heat and pressure. The result is a solid vulcanized head in which the bristles are so thoroughly anchored that it retains every single bristle until the brush wears out. We guarantee this hard rubber setting to withstand anything—hot water, cold water, soap or hard usage.

Bristles are held firm there by hard rubber.

No. 400

Imported white bristles, non-corrosive metal ferrule and ebonized handle.

No.	Wt. per doz.	Per doz.
400	1 ⅛ lbs.	$6.00



No. 500

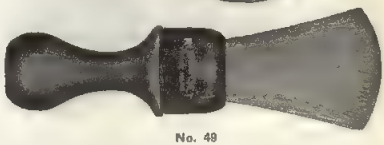
Imported white French bristles, ebonized handle.

No.	Wt. per doz.	Per doz.
500	1 ⅛ lbs.	$6.00

No. 214

Extra fine white French bristles, Alberite black ferrule, polished rosewood handle.

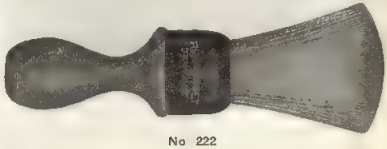
No.		Wt. per doz.	Per doz.
214-1	Small size	1 ⅞ lbs.	$30.00
214-2	Medium size	2 ⅛ lbs.	32.00



No. 49

Barber's brush, best French white bristles, Alberite black ferrule, polished boxwood handle.

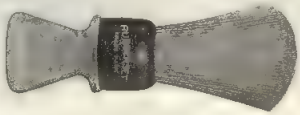
No.		Wt. per doz.	Per doz.
49-1	Small size	1 ⅝ lbs.	$10.00
49-2	Medium size	2 lbs.	11.00
49-3	Large size	2 ¼ lbs.	12.00
49-4	Extra large size	3 lbs.	15.00



No 222

Pure badger hair, Alberite white handle, Alberite black ferrule, highly polished.

No.		Wt. per doz.	Per doz.
221	Small size	1 lbs.	$18.50
222	Medium size	1 ¼ lbs.	21.50



No. 215

Extra fine white French bristles, Alberite black ferrule, Alberite ivory handles, highly polished.

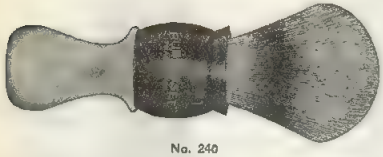
No.		Wt. per doz.	Per doz
215-1	Small size	1 ¼ lbs.	$45.00

All above one in a cardboard box; one-half dozen in a carton.

SHAVING BRUSHES

RUBBERSET

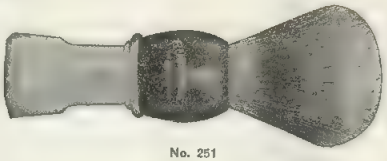
TRADE MARK



No. 240

Pure badger hair, white Alberite handle, cup-shaped Alberite black ferrule prevents water and lather from running down on the hand when brush is in use.

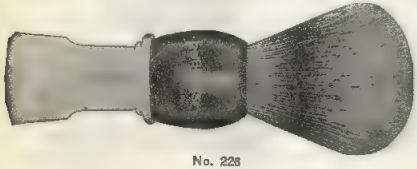
No.		Wt. per doz.	Per doz.
240	Medium size	1 ½ lb	$30.00
242	Large size	1 ¾ lbs	46.00



No. 251

Pure badger hair, white bone ferrule, octagon shaped, highly polished.

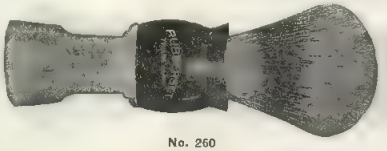
No.		Wt. per doz.	Per doz.
251	Medium size	1 ¾ lb	$40.00
252	Large size	1 ¾ lbs	46.00



No. 226

Good quality badger hair, white bone handle, octagon shaped.

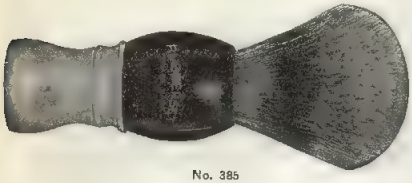
No.		Wt. per doz.	Per doz.
226	Medium size	1 ¼ lbs	$13.50



No. 260

Pure badger hair, white bone ferrule, octagon shaped, highly polished, cup-shaped ferrule prevents water and lather running down handle when in use.

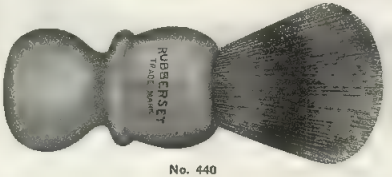
No.		Wt. per doz.	Per doz.
260	Medium size	1 ¾ lbs	$30.00
262	Large size	2 lbs	46.00



No. 385

Pure badger hair, imported black Alberite ferrule, handle white Alberite, highly polished.

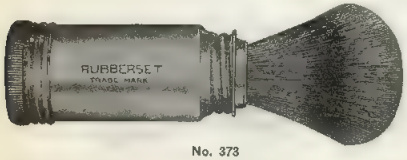
No.		Wt. per doz.	Per doz.
385	Large size	2 ½ lbs	$64.00



No. 440

Imported badger hair, Alberite white ferrule and handle.

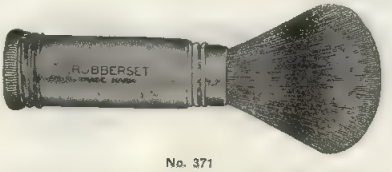
No.		Wt. per doz.	Per doz.
440		2 ½ lbs	$30.00



No. 373

The Tourist, selected badger hair, heavy nickel-plated handles, ends unscrew permitting brush to be completely inserted into the handle.

No.		Wt. per doz.	Per doz.
373	Large size	2 lbs	$24.00



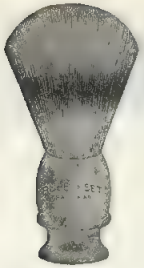
No. 371

The Tourist, selected badger hair, heavy nickel-plated handle, ends unscrew permitting brush to be completely inserted into the handle.

No.		Wt. per doz.	Per doz.
371	Small size	1 ½ lbs	$13.50

All above one in a cardboard box; one-half dozen in a carton.

SHAVING BRUSHES



RUBBERSET
TRADE MARK

No. 396

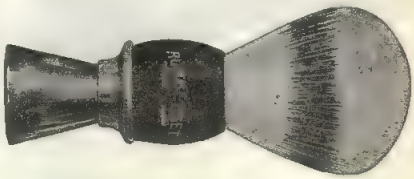
Tourist shaving brush—All white Alberite handle and ferrule. White case in which the brush is carried to prevent it from soiling the traveling bag or its contents.

No.		Wt. per doz.	Per doz.
396	**Tourist**	1 ½ lbs.	**$30.00**

No. 433

Imported badger hair, Alberite black ferrule, extra fine quality solid horn handle.

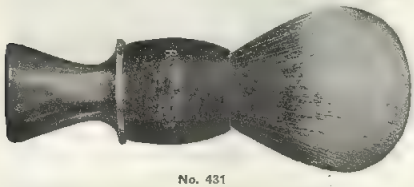
No.	Wt. per doz.	Per doz.
433	2 lbs.	**$48.00**



No. 437

Imported badger hair, solid horn handle, Alberite black ferrule.

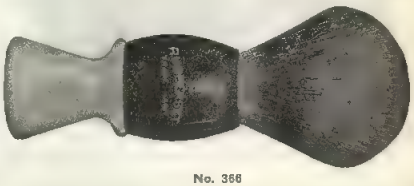
No.	Wt. per doz.	Per doz.
437	2 ½ lbs.	**$100.00**



No. 431

Extra selected badger hair, Alberite black ferrule, extra fine quality solid horn handle.

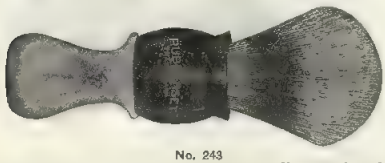
No.	Wt. per doz.	Per doz.
431	2 lbs.	**$60.00**



No. 366

Badger hair, Alberite black ferrule, Alberite white handle.

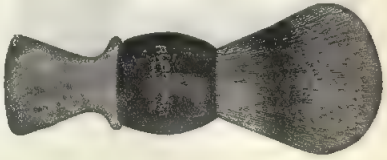
No.	Wt. per doz.	Per doz.
366	2 lbs.	**$100.00**



No. 243

Pure badger hair, polished Alberite handle, cup-shaped Alberite ferrule prevents water and lather from running down handle when brush is in use.

No.		Wt. per doz.	Per doz.
243	**Large size**	2 lbs.	**$53.00**



No. 365

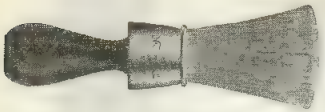
Imported badger hair Alberite black ferrule, Alberite white handle.

No.	Wt. per doz.	Per doz.
365	2 ⅛ lbs.	**$117.00**

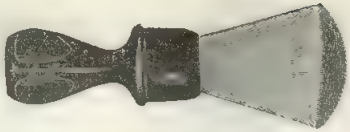
All above one in a cardboard box; one-half dozen in a carton

SHAVING BRUSHES

STA-FAST



NOS. 7 AND 9



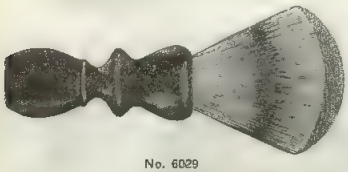
No. 6179

Made of fine quality white bristles, ebonized handle, nickel ferrules, set in hard rubber base.

No.		Wt. per doz.	Per doz.
7	Medium size	1 lbs.	$5.00
9	Large size	1¾ lbs.	$6.50

Fine quality imported shaving brush stock, ebonized handle

No.		Wt. per doz.	Per doz.
6179	Large size	1¾ lbs.	$5.00



No. 6029

No. 6035

Fancy design, ebonized handle, selected grade, imported shaving brush stock.

No.		Wt. per doz.	Per doz.
6029	Medium size	1½ lbs.	$4.00

Ebonized handle, non-corroding nickel ferrules, special grade shaving brush stock.

No.		Wt. per doz.	Per doz.
6035	Medium size	1 lb.	$4.50

No. 6046

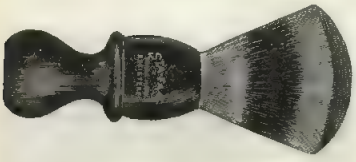
No. 6089

Fine quality, imported shaving brush stock. Fancy ebonized handle.

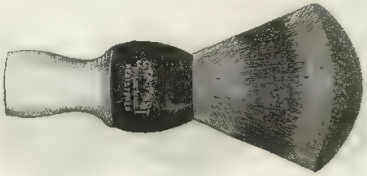
No.		Wt. per doz.	Per doz.
6046	Medium size	1¾ lbs.	$4.50

Ebonized handle, Egyptian ivory ferrule, special prepared shaving brush stock. Securely set in hard, vulcanized rubber.

No.		Wt. per doz.	Per doz.
6089	Medium size	1½ lbs.	$9.00



No. 6097



No. 6054

Fancy ebonized handle, hard rubber ferrule, special grade shaving brush stock, badger effect.

No.		Wt. per doz.	Per doz.
6097	Medium size	1½ lbs.	$8.00

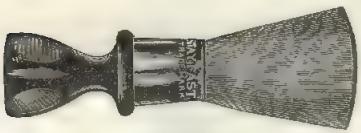
Bone handle, hard rubber ferrule, selected quality shaving brush stock, badger effect.

No.		Wt. per doz.	Per doz.
6054	Medium size	1¼ lbs.	$9.00

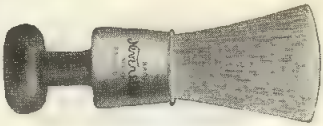
All above one-half dozen in a box.

SHAVING BRUSHES

STA-FAST



No. 118F



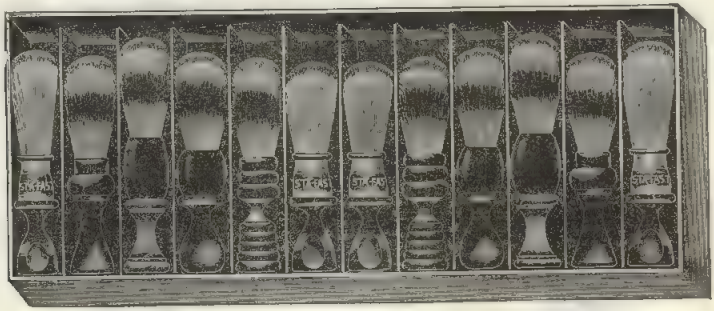
No. IX

Fancy design, ebonized handle, nickel-plated ferrule, select grade white bristles.

No.		Wt. per doz.	Per doz.
118F	Medium size	1½ lbs	$4.00
IX	Medium size	1½ lbs	5.00

One-half dozen in a box.

ASSORTMENTS



No. 100

No.		Per doz.
100	**Assortment.** Ebonized and rosewood finished handles some with metal ferrules and nickel trimmed; selected grade white bristles and special mixed hair, badger effect. Weight per dozen, 3 lbs	$3.00

One dozen assorted styles in a carton.

No. 200

No.		Per doz.
200	**Assortment.** Rosewood finished handles, Egyptian ivory ferrules; ebonized and bone handles, hard rubber ferrules. Assorted. Selected grade white bristles and special mixed hair, badger effect. Weight per dozen, 3 lbs.	$10.00

Two of each; one-half dozen in a carton.

SHAVING SOAP

WILLIAMS

SMALL STICK

LARGE STICK—HOLDER TOP

Compounded by expert soap makers of the purest material, it is made under most sanitary conditions. Produces heavy, thick and abundant lather, which retains its moisture and stays thick and creamy on the face. Highly perfumed, wrapped in tin foil and packed in paper lined nickel-plated brass boxes.

	Size of stick	Wt. per doz.	Per doz.
Williams Small Stick	2x1 in.	1¾ lbs.	$2.20
Williams Large Stick	3x1⅛ in.	3⅛ lbs.	$5.50

One-half dozen in a display box.

SHAVING POWDER

LUXURY CREAM

A very convenient and time saving form used by putting a small amount on a wet brush and applying to the face, making a quick, lasting cream-like lather

	Wt. per doz.	Per doz.		Wt. per doz.	Per doz.
Quick and Easy Powder	3⅛ lbs.	$5.50	**Luxury Cream,** med. size	1½ lbs.	$2.40

BARBER'S BAR

MUG

Of finest quality, carefully compounded from ingredients which have been found perfectly pure, especially prepared for barbers and those who prefer the use of the mug

Six cakes to a pound.

	Size of cake	Per lb.
Barbers Bar	2⅜x1 in.	$1.00

Eight cakes to a pound.

	Size of cake	Per lb.
Quick and Easy	2⅜x ⅞ in	$1.00

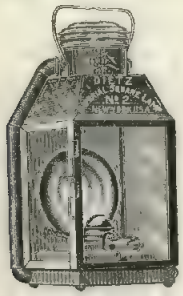
10 lbs. in a box.

	Size of cake	Wt. per doz.	Per doz.
Mug	2¼x⅞ in	1¼ lbs.	$1.00

One in a box; one dozen in a carton

STATION LAMPS

DIETZ TUBULAR SQUARE PLATFORM



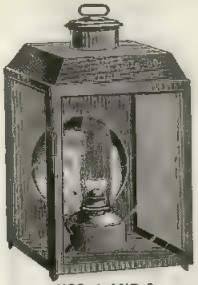
No. 2

Japanned blue. Height 21½ in., width 9⅝ in., depth 10½ in. No. 3 burner, 1½ in. wick, 8 in. silvered glass reflector.

No.	Wt. each	Each
2	21 lbs.	$19.00

One in a case.

CLIMAX SQUARE STATION



NOS. 1 AND 2

Japanned blue. 8x10 in. No. 1 burner, ⅝ in. wick, 7 in. glass reflector.

No.	Wt. each	Each
1	12 lbs	$10.00

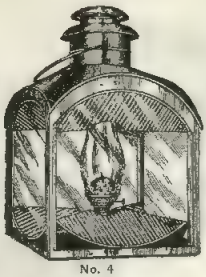
10x12 in. No 2 burner, 1 in. wick, 8 in. glass reflector

No.	Wt. each	Each
2	16 lbs.	$11.00

One each in a case.

MILL LAMPS

NOS. 1 TO 8



No. 4

MILL LAMPS

BACK REFLECTOR

No.	Size glass	Wick	Weight	Each
1	6x10 in.	⅝ in.	8½ lbs.	$ 4.50
2	8x12 in	1 in.	9 lbs	6.00
7	10x14 in.	1½ in.	8½ lbs.	8.00
8	12x16 in	1½ in.	12½ lbs.	11.00

CENTRAL REFLECTOR

No.	Size glass	Wick	Weight	Each
4	11x11 in.	1½ in.	9 lbs	$13.00

TRIANGULAR SIDE

No.	Size glass	Wick	Weight	Each
9	10x12 in	1 in	5 lbs.	$ 7.00
10	12x16 in.	1½ in.	8½ lbs.	10.00

LOCOMOTIVE HEADLIGHTS

NOS. 9 AND 10

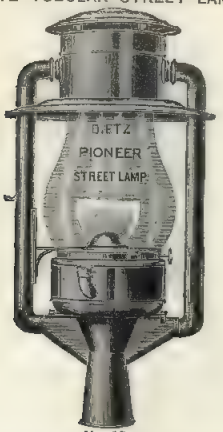
NOS. 145 TO 240

HEADLIGHT

No.	Lens	Weight	Each
145	14½ in.	28½ lbs.	$ 70.00
170	17 in.	35 lbs.	85.00
205	20½ in.	50 lbs	110.00
240	24 in.	88 lbs.	140.00

STREET AND HANGING LAMPS

DIETZ TUBULAR STREET LAMPS



No. 3S

Japanned. No. 3 burner, 1½ in. wick, No. 3 globe.

No.	Wt. each	Each
3 S	26 lbs.	$7.50

One in a case.

DIETZ TUBULAR HANGING LAMPS

No. 3H

Japanned. No. 3 burner, 1½ in. wick, No. 3 globe.

No.	Wt. each	Each
3 H	25 lbs.	$8.50

One in a case.

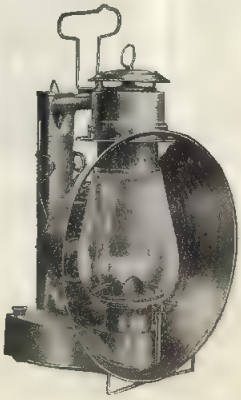
BEACON LIGHTS

No. 60

Green enamel, No. 3 burner, 1½ in. wick, No. 2 street globe, 5 in. reflector in rear of globe. 100 candle-power.

No.	Wt. each	Per doz.
60	25 lbs.	$200.00

One in a case



No. 30

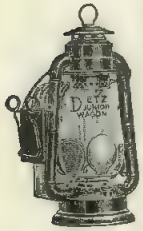
Green enamel, No. 2 burner, 1 in. wick, Dietz Blizzard globe, 12 in. bright tin reflector. 50 candle-power.

No.	Wt. per doz.	Per doz.
30	96 lbs.	$58.00

One-half dozen in a case.

WAGON AND DRIVING LANTERNS

DIETZ JUNIOR



DIETZ ROADSTER

PRISCO

No. 331

DIETZ JUNIOR WAGON LAMP

Cold blast. 11¾ in. high, ⅝ in. wick, ten candle-power, 2¼ in. red rear lens. Finish black enamel Popular and medium-priced driving lamp for use on business or pleasure vehicles. Italso makes a serviceable hand lantern Flat bracket and side clip spring, easily attached to vehicle. Combination socket takes either a flat or round bracket Right or left-hand pattern. Left-hand lamps are always furnished unless otherwise specified.

	Wt. per case (½ doz.)	Per doz.
Dietz Junior Wagon Lamp	29 lbs.	**$31.00**

DIETZ WIZARD ROADSTER

Cold blast. 13½ in. high, 1 in. wick, twenty candle-power and twenty hour fount. 2¼ in. ruby rear lens. Finish black enamel. Left-hand pattern only. Complies with all night driving laws. Equipped with new short globe. Practically all light thrown directly ahead. Attached to vehicle by side clip spring, flat bracket Combination socket for any round carriage prop.

	Wt. per case (½ doz.)	Per doz.
Dietz Wizard Roadster	50 lbs	**$41.00**

DIETZ JUNIOR ROADSTER

Same description as Wizard Roadster, but smaller "Junior Type." 11½ in. high, ⅝ in. wick. Fifteen hour fount.

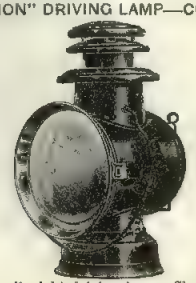
	Wt. per case (½ doz.)	Per doz.
Dietz Junior Roadster	46 lbs.	**$34.00**

PRISCO

Black japanned finish. No. 1 brass burner and cone. Complies with all night driving laws. Throws a strong white light ahead, displays a red light at the rear and a green side light. 2 in. green disc and a 3 in. ruby disc A flat bracket furnished with each lamp. Bulls eye globe

	Wt. per carton (½ doz.)	Per doz.
331	38 lbs.	**$36.00**

DIETZ "UNION" DRIVING LAMP—COLD BLAST

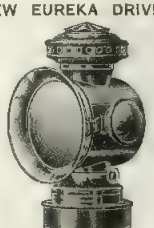


Complies with all night driving laws. Shows a white light from the front, a red light at the rear and a green side light. Will not jar or blow out. 11¼ in. high, thirty candle-power. Fount capacity ten hours. Size of door lens 5⅛ in.; ruby lens 2¼ in. Dash spring attachment. Has both right and left-hand holder sockets. Black enameled with nickel-plated door.

	Wt. per doz.	Per doz.
Union	74 lbs.	**$89.00**

One-half dozen in a case.

DIETZ NEW EUREKA DRIVING LAMP



Complies with all requirements of California Vehicle Act. Shows a white front light, green side lens, and a red rear light. Easy to fill, trim, light and clean fount. Will burn ten hours. A dash clamp holder for attaching to side of dash with each lamp. Height 7⅛ in. 2⅛ in. ruby lens, 3 in door lens. Black enameled with nickel-plated door. **Left hand lamps are always furnished unless right-hand are specified.**

	Wt. per doz	Per doz.
New Eureka	27 lbs.	**$35.00**
		Each
Extra Founts and Burners		**$0.90**

One dozen in a case.

LANTERNS

HOT BLAST

DIETZ MONARCH

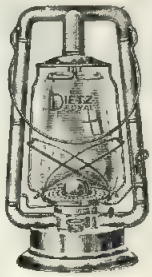
No. 0

Side lift. No. 1 Winglock burner, ⅝ in. wick, No. 0 globe. Height over all 13½ in. Four candle-power. Fount capacity 18 hours.

No.	Wt. per doz.	Per doz.
0	37 lbs.	$17.50

One dozen in a case.

DIETZ ROYAL



No. 2

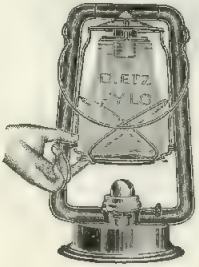
Side lift. No 2 Winglock burner, 1 in. wick, No. 0 globe. Height over all 13½ in. Five candle-power. Fount capacity 20 hours.

No.	Wt. per doz.	Per doz.
2	40 lbs.	$21.00

One dozen in a case.

DIETZ LITTLE STAR

DIETZ HYLO



PRISCO

No. 1 burner, ⅝ in. wick, U. S. globe. Dietz patent safety Winglock burner. Three candle-power. Fount capacity 12 hours.

	Wt. per doz.	Per doz.
Dietz Little Star, Tin	64 lbs.	$17.00

One dozen in a case

Hot blast. No 1 burner, ⅝ in. wick, No. 0 globe. Four candle-power. Fount capacity 18 hours.

No.	Wt. per doz.	Per doz.
0 **White Globe**	35 lbs.	$17.00
0 **Ruby Globe**	35 lbs.	24.00

Hot blast, simple lift. No. 1 burner, ⅝ in. wick, No. 0 globe

No.	Wt. per doz.	Per doz.
165	33 lbs.	$17.00

One dozen in a carton.

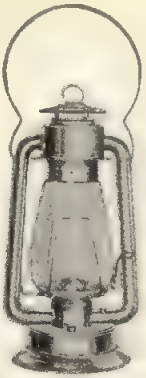
LANTERNS

COLD BLAST

DIETZ BLIZZARD

DIETZ SPECIAL BLIZZARD

DEFIANCE



Cold blast, side lift. No. 2 Winglock burner, 1 in. wick, C B globe Height over all 14¾ in. Ten candle-power. Fount capacity 20 hours.

No.		Per doz.
2	Brass Fount	$26.00
		35.00

One-half dozen in a case.

Cold blast No. 2 Winglock burner, 1 in. wick, C B globe Height over all 15 in Ten candle-power. Large tin fount. Capacity 40 hours.

No		Per doz
22		$27.00

Cold blast. No. 2 Winglock burner, 1 in wick, C B globe. Height 15 in. Ten candle-power. 40-hour fount. Self-righting bail.

No.		Per doz.
122		$26.50

One-half dozen in a case.

DIETZ CRESCENT

PRISCO

DIETZ JUNIOR

Cold blast. No 2 burner, 1 in wick, No 2 C B globe Ten candle-power Fount capacity 18 hours.

No.	Wt. per doz.	Per doz.
2	38 lbs.	$24.50

One-half dozen in a carton.

Cold blast. No. 2 burner, 1 in. wick, No. 2 C B globe

No.	Wt. per doz.	Per doz
477	40 lbs.	$24.00

One-half dozen in a carton.

Cold blast No 1 Winglock burner, ⅝ in. wick, Junior globe. The smallest Dietz cold blast lantern Height over all 12 in. Six candle-power. Fount capacity 13 hours.

	Wt. per doz	Per doz.
Dietz Junior, all Brass	39 lbs.	$33.00
Dietz Junior, Tin	39 lbs.	19.00

One dozen in a case

LANTERNS

DIETZ WIZARD

TRIUMPH

DIETZ LITTLE WIZARD

Cold blast. No. 2 Winglock burner, 1 in. wick, Nustyle globe. Ten candle-power. Height over all 13¼ in. Fount capacity 20 hours.

	Per doz.
Dietz Wizard—Tin Fount	$26.00
Dietz Wizard—Brass Fount	35.00
Dietz Wizard—Large Fount	27.00
Triumph—Large Tin Fount	26.50

No. 1 burner, ⅝ in. wick, Little Wizard globe. Six candle-power. Height over all 11½ in. Fount capacity 18 hours.

	Per doz.
Dietz Little Wizard	$21.00

RAILROAD LANTERNS

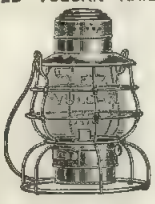
DIETZ IMPROVED RAILROAD

NOS. 391 AND 392

DIETZ CONDUCTOR

NOS. 395 AND 396

IMPROVED VULCAN RAILROAD



NOS. 393 AND 394

The upright wire guards are locked to the base ring by a patent band, making it the strongest lantern of its kind on the market. Tin bottom with outside wick raiser. **For signal oil.** Ratchet burner, 1 in. wick.

No.	Wt. per doz.	Per doz.
391	50 lbs.	$32.00

For kerosene oil. Convex burner, ⅝ in. wick.

No.	Wt. per doz.	Per doz.
392	50 lbs.	$32.00

No. 1 ratchet burner, ⅝ in. wick, No. 39 globe. **All brass, polished.**

No.	Wt. per doz	Per doz.
395	62 lbs.	$72.00

All brass, nickel-plated.

No.	Wt. per doz.	Per doz.
396	67 lbs.	$96.00

Wire bottom, with outside wick raiser. **For signal oil.** Ratchet burner, 1 in. wick.

No.	Wt. per doz.	Per doz.
393	50 lbs.	$33.00

For kerosene oil. Convex burner, ⅝ in. wick.

No.	Wt. per doz.	Per doz.
394	50 lbs.	$33.00

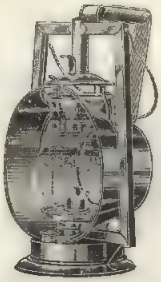
Above lanterns one dozen in a case.

RAILROAD LANTERNS

DIETZ STEEL CLAD RAILROAD

No 397

DIETZ ACME INSPECTORS'



DIETZ X L C R SWITCHMAN

No. 398

Retinned. Flat steel double upright guards. Will outlast three ordinary lanterns For signal oil. No 2 ratchet Winglock burner, without outside wick raiser, 1 in. wick, No. 39 globe.

No.	Wt. per doz.	Per doz.
397	50 lbs.	**$34.00**

One dozen in a case.

Adjustable, insulated, self-righting ball and outside wick raiser No. 2. One inch Winglock ratchet burner, bright tin body, for signal oil Indispensable on electric railroads or where switchman's lantern might come in contact with third rail.

No.	Wt. per doz.	Per doz
398	60 lbs.	**$45.00**

One dozen in a case.

For railroad car inspectors, etc No. 1 long Winglock burner, ⅝ in. wick, No. 0 globe Bright tin finish. Height over all 15¼ in. Twenty candle-power. Fount capacity 20 hours. Silver reflector 5 in.

	Wt. per doz.	Per doz
Acme Inspector	64 lbs.	**$41.50**

One-half dozen in a case

DASH LANTERNS

DIETZ BEACON DASH LAMPS

DIETZ BUCKEYE DASH

DIETZ BLIZZARD DASH

No. 1 burner, ⅝ in wick, No. 0 globe. Black enameled. Bright tin hood, 5 in. silvered glass reflector and dash clip spring. Height over all 13¼ in. Twenty candle-power. Capacity 20 hours.

	Wt. per half doz.	Per doz.
Beacon Dash	40 lbs.	**$42.50**
Extra Reflectors		**5.00**

Hot blast, side lift, bulls eye lens. No. 1 burner, ⅝ in. wick, No. 0 globe, japanned blue. Fount capacity 19 hours. Ten candle-power.

	Wt. per doz.	Per doz.
Buckeye Dash	52 lbs.	**$24.00**

One-half dozen in a case

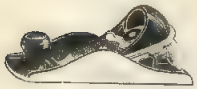
Cold blast, side lift, japanned blue, bulls eye lens. No. 2 burner, 1 in. wick, No. 0 globe. Fount capacity 18 hours. Twenty candle-power.

	Wt. per doz.	Per doz.
Blizzard Dash	40 lbs	**$35.00**

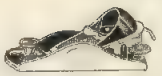
One-half dozen in a box.

STANLEY PLANES

STANLEY BLOCK PLANES



No. 220



Nos. 9½ and 16

No.		Each
220.	Length 7½ inches, cutter 1⅝ inches, adjustable	$0 75
9½.	Length 6 inches, cutter 1⅝ inches, japanned trim	1 10
16.	Length 6 inches, cutter 1⅝ inches, nickel trim	1 25

Nos. 60 and 60½

Nos. 65 and 65½

Low Angle

No		Each
60.	Length 6 inches, cutter 1½ inches, nickel trim	$1 25
60½.	Length 6 inches, cutter 1½ inches, japanned trim	1 10
65.	Length 7 inches, cutter 1⅝ inches, nickel trim	1 35
65½.	Length 7 inches, cutter 1⅝ inches, japanned trim	1 20

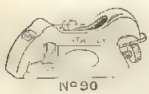
STANLEY CARRIAGE MAKERS RABBET PLANES

No. 10½

No. 10

No.		Each
10½.	Length 9 inches, cutter 2⅛ inches	$2 75
10.	Length 13 inches, cutter 2⅛ inches	3 30

CABINET MAKERS RABBET PLANE



No 90

Nos. 92 and 94

Nickel plated, both cutter and throat opening are adjustable; can be used right or left.

No.		Each
90.	Length 4 inches, cutter 1 inch	$2 26
92.	Length 5½ inches, cutter ¾ inch	2 20
94.	Length 7½ inches, cutter 1¾ inches	3 00

STANLEY IMPROVED RABBET PLANE

No. 190

Will lie perfectly flat on either side and can be used with either right or left hand when planing into corners or up against perpendicular surfaces. Iron stock, fitted with depth gauge

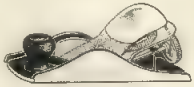
No.	With Spur.	Each
190.	Length 8 inches, cutter 1½ inches	$1 25
191.	Length 8 inches, cutter 1¾ inches	1 25
192.	Length 8 inches, cutter 1 inch	1 25

All Above Packed One in a Box

No. 9¾

No 18 and 19

No.		Each
9¾.	Length 6 in., cutter 1⅝ in., jap. trim, with handle	$1 70
18.	Length 6 in., cutter 1⅝ in., nickel trim, knuckle joint	1 30
19.	Length 7 in., cutter 1⅝ in., nickel trim, knuckle joint	1 40

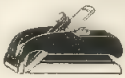


No. 140—Rabbet and Block Plane

A detachable side will easily change it from a block plane to a rabbet pane, and vice versa. The cutter is adjustable endwise, and set on a skew. It has a rosewood knob

No. **140.** 7 inch, 1¾ inch cutter ..... Each $1 40

STANLEY BULL NOSE RABBET PLANES



No. 75

Stanley Bull Nose Rabbet Plane will be found very useful for working close up into corners or other difficult places.

No.		Each
75.	Length 4 inches, cutter 1 inch, adjustable throat	$0 40

STANLEY SIDE RABBET PLANES

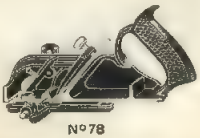
No 98

No 99

For side rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give the tool a form by which it will work up into close corners when required

No.		Each
98.	Right hand, length 4 inches	$1 00
99.	Left hand, length 4 inches	1 00

STANLEY RABBET AND FILLETSTER PLANE

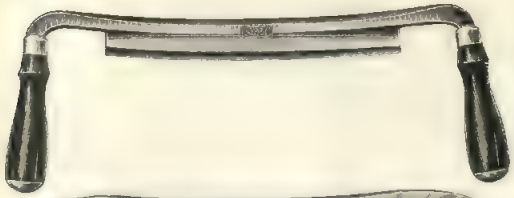


No 78

The arm to which the fence is secured can be screwed in to either side of the stock, making a right or left hand filletster, with adjustable spur and depth gauge. Remove the arm to which the fence is secured and a handled Rabbet Plane is made.

No		Each	
78.	Length 8½ inches, cutter 1⅛ inches	Each	$1 65

DRAWING KNIVES



No. 1150—Olympic Carpenters

Razor blade, extra quality and finish, fine maroon stained handles, nickel plated caps and ferrules.

Lgt. Blade, In.	8	9	10	12	14
Per Doz.	$13 50	14 40	15 60	18 00	21 00

One Half Dozen in a Box

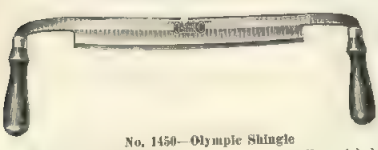
No. 1250—Olympic Carriage

Extra quality and finish, maroon stained handles, nickel plated caps and ferrules

Length Blade, Inches.	8	10
Per Doz.	$15 00	18 00

One-Half Dozen in a Box

SHINGLE KNIVES



No. 1450—Olympic Shingle

Extra quality and finish, maroon finish handles, nickel plated caps and ferrules.

Length Blade, Inches	12	14	16
Per Doz.	$20 00	23 00	26 00

One Half Dozen in a Box

No. 87—Whites Shingle

Cast steel blades, walnut handles.

Length Blade, Inches	12	14	16
Per Doz.	$36 00	40 00	44 00

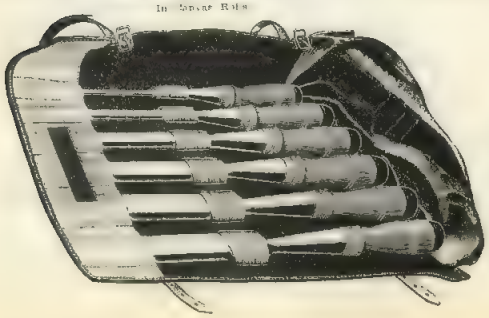
One Quarter Dozen in a Box

Wilkinson Folding

Extra quality and finish.

Length Blade, Inches	8
Per Doz	$ob 00

In Canvas Rolls



CHISELS IN SETS

Olympic Socket Firmer Chisels

Made from solid bar of best silver steel, selected handles.

No **20600** Set (6) Chisels, plain edge, hickory handles ..... Per Set $6 00

No. **88600.** Set (5) Chisels, bevel edge, leather tipped ..... Per Set 8 00

Canvas Rolls, only, full canvas, leather bound, well made and finished sets of 6 ..... Per Doz. $7 50

Canvas Rolls, only, full canvas, leather bound, well made and finished, sets of 12 ..... Per Doz. 10 00

CABINET SCRAPERS

STANLEY

No. **80.** 11 inch raised handle, 2⅜ inch blade Each $1 00
One in a Box

STARRETT

No. **194.** Universal, ball joint handle connection, blade adjustable eight different ways ..... Each $1 00
One in a Box

HAND SCRAPERS

No. 7 French Pattern

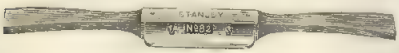
Even high temper, hand smithed, taper ground, dressed edges, ready for use.
Sizes, assorted, 2½x3 to 4, 3x4 to 6, 3½x4 to 6 inches
Per Doz. $2 50

No. 9—Regular Steel

Sizes 2, 2½ and 3x5 inches ..... Per Doz. $0 60
Sizes 3½ and 4x6 inches. ..... Per Doz. 1 00
Assorted sizes ..... Per Doz. 0 80
One Dozen in a Package

SPOKE SHAVES

No. **2.** Millers Falls, 2 inch cutter, cuts flat, concave or convex, adjustable, cocobolo handles, nickel trim
Per Doz. $12 00



Razor edge, rosewood. Adjustable front and adjustable cutter.
No. **81.** Rosewood, length 11 inches, cutter 2 inches
Each $1 40
One Half Dozen in a Box

STANLEY

No. **82.** Length 14½ inches, 3 inch blade, adjustable to any angle, maple handle
One in a Box. Each $1 05

BISHOP

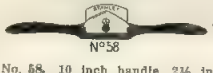
No. **2.** Holds any size Scraper, handle 12 inches, complete with 3x3 inch Scraper ..... Per Doz. $7 00
One-Half Dozen in a Box

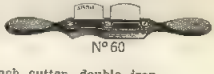
CABINET MAKERS BURNISHER

No. **1.** 4 inch ..... Per Doz. $5 00

SPOKE SHAVES

No. **51.** 10 inch handle, 2⅛ inch cutter, double iron, raised handle ..... Per Doz. $3 50
No. **54.** 10 inch handle, 2⅜ inch cutter, adjustable, straight handle ..... Per Doz. 4 50





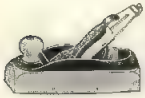
No. **58.** 10 inch handle, 2⅛ inch cutter, double iron, straight handle ..... Per Doz. $3 00
No. **60.** 10 inch handle 1½ inch double cutter, hollow and straight ..... Per Doz. 4 50
One-Half Dozen in a Box

Universal

No. **67.** Nickel plated, detachable rosewood handle
Per Doz. $18 00
One-Twelfth Dozen in a Box

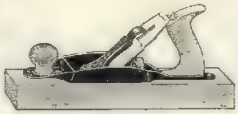
STANLEY PLANES

STANLEY ADJUSTABLE WOOD BOTTOM PLANES

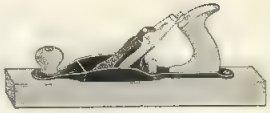


Nos. 21 to 24

Nos. 25 to 26



Nos. 26 to 27½



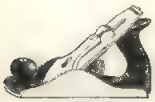
Nos. 28 to 34

No		Each
21.	Smooth, length 7 inches, cutter 1⅜ inches	$1 50
22.	Smooth, length 8 inches, cutter 1⅜ inches	1 50
23.	Smooth, length 9 inches, cutter 1¾ inches	1 50
24.	Smooth, length 8 inches, cutter 2 inches	1 50
25.	Handled smooth, length 9 inches, cutter 2 inches	1 90
26.	Handled smooth, length 10 inches, cutter 2⅜ inches	2 05
26.	Jack length 15 inches, cutter 2 inches	1 85
27.	Jack, length 15 inches, cutter 2⅛ inches	1 90
27½.	Jack, length 15 inches, cutter 2¼ inches	1 90

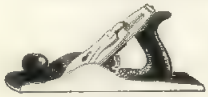
One in a Box

No		Each
28.	Fore, length 18 inches, cutter 2⅜ inches	$2 65
29.	Fore, length 20 inches, cutter 2⅜ inches	2 75
30.	Jointer, length 22 inches, cutter 2⅜ inches	2 20
31.	Jointer, length 24 inches, cutter 2⅜ inches	2 20
32.	Jointer length 26 inches, cutter 2⅜ inches	2 40
33.	Jointer, length 28 inches, cutter 2⅜ inches	2 40
34.	Jointer, length 30 inches, cutter 2⅜ inches	2 60

STANLEYS "BAILEY" ADJUSTABLE IRON PLANES



Nos. 2 to 4½



Nos. 5 to 5½

Nos. 6 to 8C

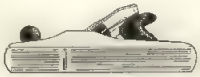
The letter "C" after the number indicates Corrugated Bottom

No		Each
1	or **1C.** Smooth, length 5½ inches, cutter 1¼ inches	$1 65
2	or **2C.** Smooth, length 7 inches, cutter 1⅝ inches	2 05
3	or **3C.** Smooth, length 8 inches, cutter 1¾ inches	2 20
4	or **4C.** Smooth, length 9 inches, cutter 2 inches	2 40
4½	or **4½C.** Smooth, length 10 inches, cutter 2⅜ inches	2 75

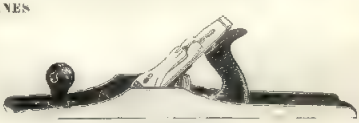
No		Each
5	or **5C.** Jack, length 14 inches, cutter 2 inches	$2 75
5½	or **5½C.** Jack, length 15 inches, cutter 2⅛ inches	3 15
6	or **6C.** Fore length 18 inches cutter 2⅜ inches	3 50
7	or **7C.** Jointer, length 22 inches, cutter 2⅜ inches	4 00
8	or **8C.** Jointer, length 24 inches, cutter 2⅜ inches	4 80

STANLEYS BEDROCK PLANES

No. 604



No. 605C



Nos. 606 to 608

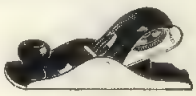
No.		Each
604	or **604C.** Smooth, length 9 inches, cutter 2 inches	$2 75
605	or **605C.** Jack, length 14 inches, cutter 2 inches	3 20
606	or **606C.** Fore, length 18 inches, cutter 2⅜ inches	3 85

No		Each
607	or **607C.** Jointer, length 22 inches, cutter 2⅜ inches	$4 60
608	or **608C.** Jointer, length 24 inches, cutter 2⅜ inches	5 50

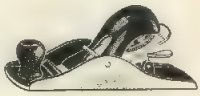
STANLEYS BLOCK PLANES

No. 102

No. 103



No. 110



No. 120

No.		Each
102.	Length 5½ inches, cutter 1¼ inches, not adjustable	$0 40
103.	Length 5½ inches, cutter 1¼ inches adjustable	0 55

No.		Each
110.	Length 7½ inches, cutter 1¾ inches, not adjustable	$0 55
120.	Length 7½ inches, cutter 1¾ inches, adjustable	0 75

All Packed One in a Cardboard Box

PLANES

STANLEY BENCH PLANE IRONS

SINGLE DOUBLE

For "Bed Rock" and "Bailey" Iron and Wood Planes. The proper bevel for grinding the cutter is at an angle of about 25 degrees. This angle should be observed when re-grinding or re honing the cuter. The same Plane Iron fits all the planes opposite the sizes given below, but the cap irons in the Iron and Wood Planes are not interchangeable. In ordering, always give number of Plane for which Iron is wanted.

	Single Each	Double Each
1¼ inch for Plane No. 1	$0 18	$0 32
1⅝ inch for Planes No. 2, 2C, 602, 062C	0 21	0 35
1¾ inch for Planes No. 3, 3C, 20, 20½, 21, 22, 23, 25, 113, 603, 603C	0 23	0 38
2 inch for Planes No. 4, 4C, 5, 5C, 9, 24, 26, 35, 604, 604C, 605, 605C	0 25	0 42
2⅛ inch for Planes No. 10 and 10½	0 45	0 75
2⅛ inch for Plane No. 27	0 27	0 45
2¼ inch for Planes No. 5½, 5½C, 27½, 605½C	0 28	0 47
2⅜ inch for Planes No. 4½, 4½C, 6, 6C, 7, 7C, 11, 28, 29, 30, 31, 36, 604½, 604½C, 606, 606C, 607, 607C	0 29	0 48
2⅝ inch for Planes No. 8, 8C, 32, 33, 34, 37, 608, 608C	0 32	0 50

Packed One-Half Dozen in a Box

BLOCK PLANE IRONS

ADJUSTABLE NON-ADJUSTABLE

In ordering, always give number of Plane for which Iron is wanted. When more than one number is given on a line, all numbers take the same Iron.

Irons for Planes Nos. 100, 101	Each	$0 05
Iron for Plane No. 103	Each	0 10
Iron for Plane No. 102	Each	0 10
Irons for Planes Nos. 60, 60½, 61, 203	Each	0 17
Iron for Plane No. 120	Each	0 17
Irons for Planes Nos. 110, 130	Each	0 15
Iron for Plane No. 140	Each	0 20
Iron for Plane No. 62	Each	0 45
Irons for Planes Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 65, 65½, 131, 220	Each	0 17

Packed One-Half Dozen in a Box

BUCKS PLANE IRONS

Single Double

For Wood Planes. Extra Quality Cast Steel.

Size, Inches		1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞
No. 1. Single	Per Doz.	$		3 10	3 15	3 15	3 20	3 30	3 60
No. 2. Double	Per Doz.	5 75	5 75	6 00	6 00	6 10	6 10	6 30	6 70
Size, Inches		2	2⅛	2¼	2⅜	2½	2⅝		
No. 1. Single	Per Doz.	$3 75	3 90	4 50	5 00	5 25	5 90		
No. 2. Double	Per Doz.	6 90	7 20	7 90	8 75	9 30	10 15		

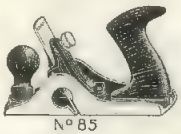
EXTRA SCRAPER BLADES

Scraper for No. 80 Toothing

For Scrapers Nos. 12, 12½, 80, 82, 85, 87 and 112	Each	$0 20
Toothing Cutters. 22, 28, or 32 teeth to the inch	Each	0 30

Packed One Half Dozen in Box

STANLEY RABBET CABINET SCRAPER



No 85

Tilting rosewood handle and knob.

No. 85. Length 8 inches, cutter 2 inches, rabbet mouth. Each $3 00

STANLEY CABINET SCRAPER

Stationary rosewood handle and knob.

No. 87. Length 8 inches, cutter 2 inches ... Each $2 00

ADJUSTABLE SCRAPER PLANE

No 112

For scraping and finishing veneers or cabinet work. Can be used as Tooth Plane.

No. 112. Length 9 inches, cutter 3 inches Each $2 20

ADJUSTABLE VENEER SCRAPERS

No 12 No 12½

No. 12. 3 inch cutter, iron face	Each	$2 50
No. 12½. 3 inch cutter, wood face	Each	3 30

All Above Packed One in a Box

SAW SETS

No. 95. Morrill's, for Hand Saws, from the widest down to ½ inch in width. ..... Per Doz. $15 63

One Half Dozen to a Box

Morrill's Special. For Hand Saws, from the widest down to ½ inch in width ..Per Doz. $16 25

Taintor's Positive. All steel for Hand Saws Per Doz $14 00

One-Half Dozen in a Wooden Box.

No. 1. Morrill's, for Hand Saws, from the widest down to ½ inch in width ..... Per Doz. $15 00

One-Half Dozen in a Box

SILVER SOLDER

¾ inch wide, for brazing or welding Band Saws.

Per Ounce $1 50

One Ounce in a Tin Box

FANCY WOOD PLANES

No. 24—Skew Rabbet

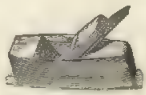
No. 27—Jack Rabbet, 2 Spurs

No. 24.	Sizes ½, ⅝, ¾, ⅞ and 1 inch	Each	$0 85
No. 24.	Size 1¼ inch	Each	0 90
No. 24.	Size 1½ inch	Each	0 95
No. 27.	Regular handle, 1¾, 1½ inch	Each	2 25
No. 27.	Side handle, 1¼, 1½ inch	Each	2 25

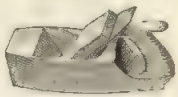
Hollows **No. 51** **Rounds**

Size, No.	2	4	6	8	10	12
Works circle, inches	½	¾	1	1¼	1½	1¾
Size iron, inches	⅛	⅛	⅛	⅛	⅛	⅛
Per Pair	$1 25	1 25	1 25	1 25	1 25	1 25
Size, No.	14	16	18	20	22	24
Works circle, inches	2	2¼	2½	3	3¼	3½
Size iron, inches	1	1⅛	1¼	1½	1⅝	1¾
Per Pair	$1 45	1 45	1 45	1 65	1 65	1 65

WOOD SMOOTH PLANES



No. 2—Smooth



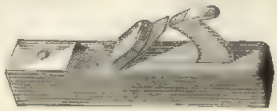
No. 3—Handled Smooth

Barton

White beach, double irons, polished start

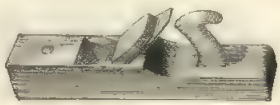
No. 2.	Smooth, 9 inches long, 1⅞ inch cutter	Each	$1 50
No. 3.	Smooth, 9 inches long, 1⅞ inch cutter	Each	2 00

WOOD JACK PLANES



No. 5—Jack

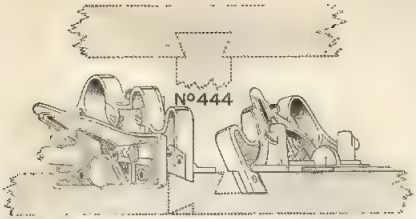
No. 5. Jack, 16 inches long, 2⅜ inch cutter ..... Each $1 65



Razee Ship Double Irons

No. 5A. White beech Jack, 16 inches long, 1⅞ inches wide ..... Each $2 25

STANLEY PLANES



STANLEY DOVETAIL TONGUE AND GROOVE PLANE

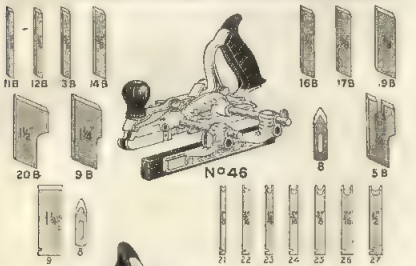
This novel tool accomplishes a result sought for many years by woodworkers in general, namely, to form a dove-tail tongue and groove with one hand tool.

It will cut any size grooves and tongues to fit with sides at flare of 80 degrees, where the width of the neck is more than one-quarter of an inch and the depth of groove not more than three-quarters of an inch. The tongue and groove are cut separately, and can be made with parallel or tapering sides. The operation of the Plane is simple. A circular containing instructions for assembling and operating is packed with each tool, or will be sent upon request. This circular also gives valuable suggestions as to the use of dovetail joints.

The compactness of the tool is shown in the illustration where the cut on the left shows the Plane assembled for cutting the tongue, and that on the right the Plane assembled for cutting the groove. All parts are carefully machined and are interchangeable. The entire tool is heavily nickel plated and, together with its cutters, is packed in a neat wooden box.

Extra parts and cutters for this Plane are priced on page 289.

No. 444. 9 inches long, nickel plated, weight 8 pounds ..... Each $6 00

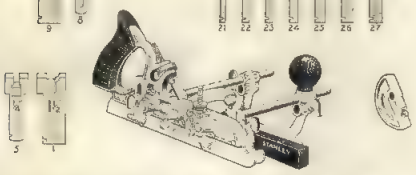


STANLEY PLOW, DADO, FILLETSTER AND MATCHING PLANE

Skew cutters are the feature of this Plane. It consists of a main stock carrying a spur a depth gauge and a slitting cutter, a sliding section carrying a spur and forming an extra side for the Plane, and a fence (rosewod face) which can be set for either plow or filleister work. It has a rosewood handle and knob.

The cutters comprise 8 plow and dado bits, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1¼ inch; a 1½ inch filleister cutter; a ⅜ inch tonguing tool, and a slitting cutter.

No. 46. 10½ inches long, nickel plated, 11 cutters, weight 5¾ pounds ..... Each $5 00



No. 45

STANLEY "FORTY-FIVE" PLANE

Seven tools in one in compact and practical form, 1 Beading and Center Beading Plane. 2. Plow. 3 Dado. 4. Rabbet and Filletster. 5. Match Plane. 6 Sash Plane. 7 Slitting Plane.

The Plane has two principal parts, a main stock and a sliding section. The main stock carries the handle, cutter adjustment, a slitting tool, depth gauge and forms a bearing for one edge of the cutter. The sliding section slides on two arms secured in the stock and has a bearing for the other edge, allowing cutters of different widths to be used. A fence also slides on these arms for use when working as a plow, beader or filletster, to gauge the distance from the cutter to the edge of the board, and to keep the cutter at right angles to same. When used as a filleister, the fence slides under the bottom of the Plane and determines the width of cutter exposed to the work.

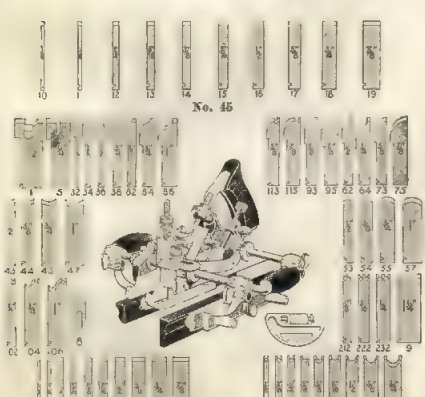
The Plane is fitted with spurs for use across the grain, etc., and can be used either right or left hand.

With each Plane are furnished twenty-one cutters, all of which are shown in the cut. The cutters, together with the Plane, are packed in a neat steel box.

All metal parts are nickel plated. The handle, knob and fence are made of selected rosewood.

For beading at a distance from the edge of a board attach cam rest (see cut at right of Plane) to the front arm between the sliding section and fence to prevent the fence sagging. In certain work attach same to the rear arm to prevent the Plane from rocking.

No. 45. Nickel plated, with 21 cutters, weight 5½ pounds. Each $7 00



No. 55

STANLEY "FIFTY-FIVE" PLANE

This Tool, in addition to being a Beading and Center Beading Plane, a Plow, Dado, Rabbet, Filleister, and Match Plane, a Sash Plane and a Slitting Plane, is also a superior Moulding Plane, and will accommodate cutters of almost any shape and size. In fact, it is a "PLANING MILL WITHIN ITSELF."

The regular equipment sent with the Plane comprises fifty-two cutters, all of which are shown in the cut. These cutters, together with the Plane and all its attachments, are packed in a neat steel box.

A further line of forty one cutters is carried in stock. Cutters of practically any form can be used in the Plane, which the owner can make from blanks or order from sketch.

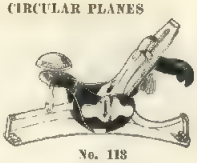
All metal parts of the Plane are nickel plated. The handle and fences are made of selected rosewood, and every part is well finished.

No. 55. Nickel plated, with 52 cutters, weight 15¼ pounds. Each $14 00

STANLEY PLANES

STANLEY ADJUSTABLE CIRCULAR PLANES

No. 118

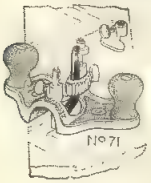


No. 118

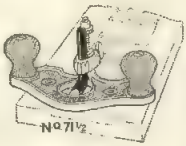
By means of a graduated scale on the gears the face can be accurately set to work an arc of the same circle, both convex and concave, by turning the knob on the front of the plane

No. **118.** 1¾ inch cutter ..... Each $3 00

STANLEY WOODWORKERS ROUTERS



No. 71



No. 71½

The bits can be clamped to back side of the upright post and outside of stock. In this position they will plane into corners, router out mortises for sash pulleys, or will smooth surfaces not easily reached by any other tool. Attachment shown can be substituted for the collar that holds the cutter when the plane requires a plane with a closed throat. Each have ¼ and ½ inch bits.

No. **71.** Open throat, nickel plated stock.... Each $2 05
No. **71½.** Closed throat, nickel plated stocks.. Each 1 65

STANLEY IMPROVED DADO PLANE

No. 39

Cutter is set on a skew, fitted with a depth gauge, adjustable by means of a thumb screw; also with adjustable spurs, which can be adjusted to take up wear, as well as depth of cut.

No. **39.** 8 inches long, width of cutter ¼, ⅜, ½, ⅝, ¾, ⅞ or 1 inch..... Each $1 65
Always Give Width of Cutter When Ordering

STANLEY CORNERING TOOL

No. 29

For rounding sharp edges, a different size cutter at each end, will cut with grain of wood

No. **28.** ⅛ and ⅛ inch cutters, 5½ inches long ..Per Doz. $4 80
No. **29.** ¼ and ⅜ inch cutters, 5½ inches long..Per Doz. 4 80

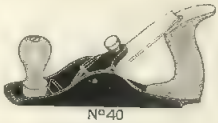
VICTOR CIRCULAR PLANES

No. 20½

The ends of the flexible face being fixed and the force applied at the center, great accuracy of adjustment is possible and the face is held firmly in position.

No. **20½.** 1¾ inch cutter, japanned..... Each $3 50

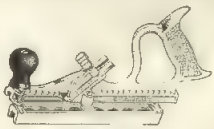
STANLEY IMPROVED SCRUB PLANE



Single iron, with cutting edge rounded. Particularly adapted for roughing down work, before using a jack or other plane.

No. **40.** Iron stock, 9½ inches long, 1¾ inch cutter ...Each $1 10

STANLEY TONGUING AND GROOVING PLANE

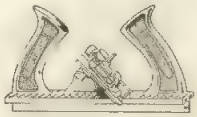


No. 48

The fence is hung on a pivot and can be swung around end for end, covering one of the cutters, making a guide for grooving an exact match for the tongue.

No. **48.** Nickel plated, for ⅝ to 1¼ inch boards.. Each $2 75

STANLEY DOUBLE-END MATCH PLANE



No. 148

With one side a tongue can be cut and by reversing ends a groove can be cut to match Nickel plated.

No. **148.** Matches ⅞ inch boards, cuts groove ¼ inch Each $2 2

PLANES

BED ROCK

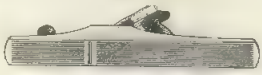
Japanned cast iron frame, varnished rosewood handle and knob. Polished caps. Tempered and polished cutters. Screw and lever adjustments; can be adjusted for wide or narrow throat openings

SMOOTH BOTTOM

SMOOTH

JACK, FORE AND JOINTER

No.		Length	Cutter, in.	Wt. ea., lbs.	Each
602	Smooth	7	1⅝	2¼	$4.10
603	Smooth	8	1¾	3¼	4.60
604	Smooth	9	2	3⅝	5.00
604½	Smooth	10	2⅜	4⅜	6.00
605	Jack	14	2	5½	6.00
605½	Jack	15	2¼	6½	7.00
606	Fore	18	2⅜	7⅜	7.50
607	Jointer	22	2⅝	8¾	8.80
608	Jointer	24	2⅝	9¾	10.50



CORRUGATED BOTTOM

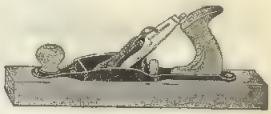
No.		Length	Cut in.	ter, in.	Wt. each, lbs.	Each
604C	Smooth	9	2		3⅝	$5.00
604½C	Smooth	10	2⅜		4⅜	6.00
605C	Jack	14	2		4½	6.00
605½C	Jack	15	2¼		6½	7.00
606C	Fore	18	2⅜		7⅜	7.50
607C	Jointer	22	2⅝		8¾	8.80
608C	Jointer	24	2⅝		9¾	10.50

One in a box.

BAILEY WOOD BOTTOM PLANES

Varnished beechwood bottom, knob and handle; japanned cast iron frame and cap. Tempered cutters; screw and lever adjustment.

SMOOTH



JACK AND FORE

No.		Length	Cutter, in.	Wt. ea., lbs.	Each
21	Smooth	7	1⅝	2¼	$3.00
22	Smooth	8	1¾	2½	3.00
23	Smooth	9	1⅞	2⅝	3.00
24	Smooth	8	2	3	3.00
35	Hdld Smth	9	2	3¼	3.80
36	Hdld Smth	10	2⅜	4	4.10

JACK AND FORE

No.		Length	Cutter, in.	Wt. ea., lbs.	Each
26	Jack	15	2	3¾	$3.30
27	Jack	16	2⅛	4	3.80
27½	Jack	15	2¼	4¾	3.90
28	Fore	18	2⅜	5½	4.10
29	Fore	20	2⅜	6¼	4.20

One in a box.

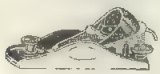
STANLEY WOOD BOTTOM PLANES

Lever adjustment only, otherwise same as Bailey.

No.		Length	Cutter, in.	Wt. ea., lbs.	Each
122	Smooth	8	1¾	2⅜	$2.20
135	Hdld Smth	10	2⅛	3	3.00
127	Jack	15	2¼	3½	3.00
129	Fore	20	2⅜	4½	3.30

BLOCK PLANES

BAILEY BLOCK



NOS. 9½ TO 17

Japanned Trimmings

No.	Length	Cutter	Wt. each	Each
9½	6 in.	1⅝ in.	1½ lbs.	$2.20
15	7 in.	1¾ in.	1⅝ lbs.	2.40
15½	7 in.	1¾ in.	1⅞ lbs.	2.80

Note—No. 15½ has rosewood handle.

Nickeled Trimmings

No.	Length	Cutter	Wt. each	Each
16	6 in.	1¾ in.	1½ lbs	$2.50
17	7 in.	1¾ in.	1⅝ lbs	2.70

No 18 AND 19

Steel cap, Knuckle joint, nickel trimmings.

No.	Length	Cutter	Wt. each	Each
18	6 in.	1¾ in.	1½ lbs	$2.60
19	7 in.	1¾ in.	1⅝ lbs	2.80

STANLEY BLOCK

Non-adjustable

No.	Length	Cutter	Wt. each	Each
100	3½ in.	1 in.	⅝ lbs.	$0.50

Non-adjustable

No.	Length	Cutter	Wt. each	Each
102	5½ in.	1¼ in.	⅞ lbs.	$0.80

Non-adjustable

No	Length	Cutter	Wt. each	Each
110	7½ in.	1¾ in.	1⅝ lbs.	$1.10

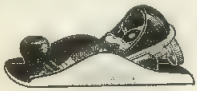
PLANES

STANLEY

BLOCK

Lever Adjustment

No.	Length	Cutter	Wt. each	Each
103	5½ in.	1¼ in.	⅞ lbs.	**$1.10**



Screw Adjustment

No.	Length	Cutter	Wt. each	Each
203	5½ in.	1⅝ in.	1⅛ lbs.	**$1.50**
220	7½ in.	1¾ in.	1½ lbs.	**1.70**

LOW ANGLE BLOCK

NOS. 60½ TO 65

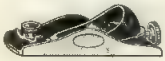
Japanned Trimmings

No.	Length	Cutter	Wt. each	Each
60½	6 in.	1⅝ in.	1¼ lbs.	**$2.20**
65½	7 in.	1¾ in.	1⅝ lbs.	**2.40**

Nickeled Trimmings

No.	Length	Cutter	Wt. each	Each
60	6 in.	1⅝ in.	1¼ lbs.	**$2.50**
65	7 in.	1¾ in.	1⅝ lbs.	**2.70**

Note—No. 65 has a steel cap.



No. 61

Non-adjustable

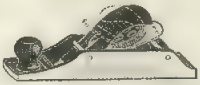
No.	Length	Cutter	Wt. each	Each
61	6 in.	1⅝ in.	1¼ lbs.	**$2.20**

No. 62

For heavy work, cutting across grain.

No.	Length	Cutter	Wt. each	Each
62	14 in.	2 in.	3⅝ lbs.	**$5.70**

DOUBLE ENDER



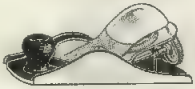
Double ender; has two slots and two cutter seats. Can be used to plane close up to corners.

No.	Length	Cutter	Wt. each	Each
130	8 in.	1¾ in.	1⅝ lbs.	**$1.50**

Double end. Can be used as a block or bull nose plane.

No.	Length	Cutter	Wt. each	Each
181	8 in.	1¾ in.	1½ lbs.	**$3.00**

RABBET AND BLOCK



No. 140

Detachable plate changes from rabbet to block. Cutter set on a skew.

No	Length	Cutter	Wt. each	Each
140	7 in.	1¾ in.	1⅛ lbs.	**$2.80**

BULL NOSE RABBET

No. 75

Adjustable throat. Specially designed for working into corners.

Adjustable throat.

No.	Length	Cutter	Wt. each	Each
75	4 in.	1 in.	⅝ lbs.	**$0.80**

CARRIAGE MAKERS' RABBET

NOS. 10½ TO 10C

For carriage work, or for heavy framing. Double cutter, adjustable both endwise and sidewise

Smooth Bottom

No.	Length	Cutter	Wt. each	Each
10½	9 in.	2⅛ in.	3 lbs.	**$5.00**
10	13 in.	2⅛ in.	4¼ lbs.	**6.00**

Corrugated Bottom

No.	Length	Cutter	Wt. each	Each
10½C	9 in.	2⅛ in.	3 lbs.	**5.00**
10C	13 in.	2⅛ in.	4¼ lbs.	**6.00**

PLANES

STANLEY

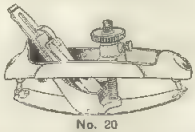
ADJUSTABLE CIRCULAR

No. 113

Adjusted at ends; has graduated scale for setting face. Cuts either inside or outside of circle.

No.	Cutter	Wt. each	Each
113	1¾ in.	3½ lbs.	**$6.00**

VICTOR CIRCULAR

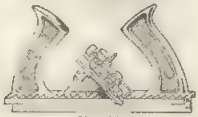


No. 20

New design, few working parts and less lost motion; great strength and accuracy

No.	Cutter	Wt. each	Each
20	1¾ in	4 lbs	**$8.20**

DOUBLE END MATCH

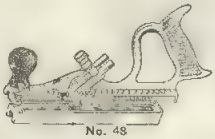


No. 148

Nickel-plated. Matches ⅞ in. boards. Cuts groove ¼ in. Two separate cutters, plow and tongue tool

No.	Wt. each	Each
148	2⅝ lbs.	**$4.40**

TONGUING AND GROOVING

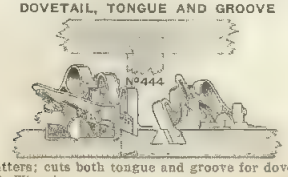


No. 48

Two plow cutters and one extra wide cutter. For boards ⅝ to 1¼ in. thick; cuts groove ⅛ in.

No.	Weight	Each
48	3⅝ lbs.	**$5.50**

DOVETAIL, TONGUE AND GROOVE

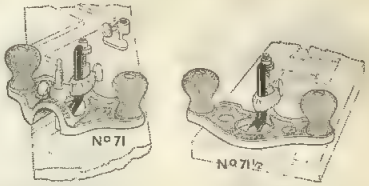


Four cutters; cuts both tongue and groove for dovetail work.

No.	Length	Wt. each	Each
444	9 in.	6 lbs.	**$12.00**

All above packed one in a box

WOODWORKERS' ROUTERS



Nickel-plated stock, with steel bits ¼ and ½ in. For surfacing bottom of grooves or other depressions.

No.	Wt. each	Each
71	2⅝ lbs.	**$4.10**
71½	2⅛ lbs.	**3.30**

IMPROVED DADO

No. 39

Skew cutters, adjustable depth gauge, two adjustable spurs. Width of cutter ⅛, ⅜, ½, ⅝, ¾, ⅞ and 1 in. Always give width of cutter in ordering.

No.	Length	Wt. each	Each
39	8 in.	2 lbs.	**$3.80**

IMPROVED RABBET

No. 190
Without spur.

No. 190
With spur.

Two styles, with and without spur. Will lie perfectly flat on either side; used on either right or left hand while planing into corners or up against perpendicular surfaces.

No.	Length	Cutter	Wt. each	Each
180	8 in.	1½ in.	2½ lbs.	**$2.20**
181	8 in.	1¼ in.	2¼ lbs.	**2.20**
182	8 in.	1 in.	2 lbs.	**2.20**
190	8 in.	1½ in.	2½ lbs.	**2.50**
191	8 in.	1¼ in.	2¼ lbs.	**2.50**
192	8 in.	1 in.	2 lbs.	**2.50**

SKEW CUTTER, FILLETSTER AND RABBET

No. 289

Extra wide skew cutter; adjustable spur. Fence and depth gauge attached to either side; suitable for right or left hand work.

No.	Length	Cutter	Wt. each	Each
289	8½ in.	1¾ in.	3¾ lbs.	**$3.50**

PLANES

STANLEY

RABBET AND FILLETSTER

No 78

Two cutter seats, spur and removable depth gauge. Fence used on either side.

No.	Length	Cutter	Wt each	Each
78	8½ in.	1½ in.	3 lbs.	$3.30

No. 278

Sides and bottom square; will lie flat on either side. Adjustable fence; two spurs, adjustable depth gauge. Front detachable, providing a bull-nose plane

No.	Length	Cutter	Wt each	Each
278	6¾ in.	1 in.	2 lbs.	$3.50

SIDE RABBET

No 98 No 99

For side rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give the tool a form by which it will work close up into corners when required

No.		Length	Wt. each	Each
98	Right hand	4 in.	½ lb.	$2.00
99	Left hand	4 in.	½ lb.	2.00

CABINET MAKERS' RABBET

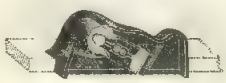
No 90 NOS. 92, 93 AND 94

Nickel-plated. Both cutter and throat opening are adjustable; can be used right or left. For fine cabinet work, where extreme accuracy is required. No. 90 is bull-nose pattern; can be used close up in corners.

No.	Length	Cutter	Wt. each	Each
90	4 in.	1 in.	1 lb.	$4.10

No.	Length	Cutter	Wt each	Each
92	5½ in.	¾ in.	1½ lbs.	$4.10
93	6½ in.	1 in.	1¾ lbs.	5.20
94	7½ in.	1¼ in.	2 lbs.	6.00

EDGE TRIMMER

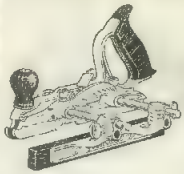


No.95

For trimming ends of boards. Cutter works on skew, giving easy shaving cut.

No.	Length	Cutter	Wt each	Each
95	6 in.	⅞ in.	1¼ lbs.	$2.30

TRAUT'S ADJUSTABLE DADO, FILLETSTER, PLOW, ETC.



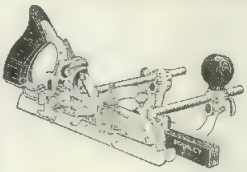
No. 46

Skew cutters; main stock carrying spur, depth gauge and slitting cutter; sliding section carrying spur and a fence; 8 plow and dado bits, filletster cutter, tonguing tool, and slitting cutter.

Nickel-plated, stock and fence

No.	Wt. each	Each
46	5¾ lbs.	$10.00

ADJUSTABLE BEADING, RABBET AND MATCHING

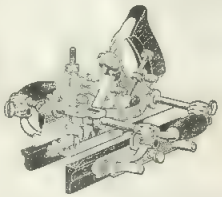


No. 45

Nickel-plated, with twenty tools. Embraces (1) beading and center beading plane; (2) rabbet and filletster; (3) dado; (4) plow; (5) matching plane; (6) sash plane, and (7) a superior slitting plane.

No.	Wt. each	Each
45	9½ lbs.	$14.00

PATENT UNIVERSAL PLANE

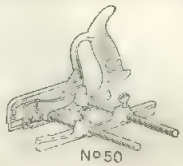


No. 55

Nickel-plated, with 52 cutters, in a wooden box. This tool in the hands of an ordinary carpenter can be used for all lines of work covered by a full assortment of so-called fancy planes.

No.	Wt. each	Each
55	12¼ lbs.	$28.00

PLOW, BEADING AND MATCHING



No 50

A very handy tool for light work. Includes 7 plow and dado bits, 7 beading tools and a tonguing tool.

No.	Length	Wt. each	Each
50	9¼ in.	3½ lbs.	$10.00

PLANES AND SCRAPERS

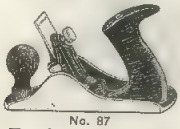
STANLEY

ADJUSTABLE VENEER SCRAPER

No 12

No.	Cutter	Wt. each	Each
12	3 in.	Iron face 3¾ lbs	$4.80
12¼	3 in.	Wood face 4 lbs	0.40

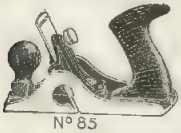
CABINET SCRAPER



No. 87

No.	Length	Cutter	Wt. each	Each
87	8 in.	2 in.	2½ lbs	$4.00

RABBET CABINET SCRAPER



No 85

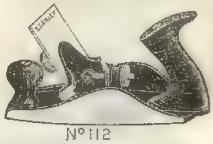
VENEER SCRAPER

No 212

No.	Length	Cutter	Blade	Wt. each	Each
85	8 in.	2 in.		2⅝ lbs	$4.00
212	5⅛ in.	1⅝ in.	1⅛ in.	1½ lbs	.80

All above one in a box.

ADJUSTABLE SCRAPER



No 112

No.	Length	Cutter	Wt. each	Each
112	9 in	3 in.	1½ lbs	$4.20

SCRUB

No 40

For fast planing on rough boards. Extra heavy cutter.

No.	Length	Cutter	Wt. each	Each
40	9½ in.	1⅜ in.	2¼ lbs	$2.20

FURRING

No 340

For preparing rough sawed lumber, removing fur, grit, dirt, etc

No.	Length	Cutter	Wt. each	Each
340	10 in	2 in.	2½ lbs	$3.30

CABINET SCRAPERS

No 80

Blade may be sprung to slight curve by thumb screw, giving ease of operation and quick cut. Body and handles cast in one piece. Length 11 in., blade 2¾ in. Japanned.

No.	Wt. each	Each
80	1¾ lbs.	$1.00
	Extra Cutters per doz.	$3.00

One in a box.

No 81

Nickel-plated, with raised handle. Bottom faced with rosewood. Length 10 in., blade 2½ in

No.	Wt. each	Each
81	2¼ lbs.	$1.50

One in a box

No 82

Length 11½ in., blade 3 in. Blade can be set at any angle. Maple handle

No	Wt. each	Each
82	1¾ lbs.	$1.05

One in a box

CABINET SCRAPER AND HOLDER

No. 2

Holds any style or size of cabinet scraper. 12 in. handle, complete with one 16 gauge, 3x3 beveled edge cabinet scraper.

No.	Wt. per doz.	Per doz
2	9 lbs.	$7.00

One-half dozen in a box.

SCRAPERS AND BURNISHERS

HAND CABINET SCRAPERS

No. 7

Even high temper, hand smithed, taper ground, dressed edges, ready for use. Tapered edges, one gauge, enables it to spring readily to suit the finest work. **Fully warranted.**

No.	Size	Wt. per doz.	Per doz
7	2½x4 in.	1¼ lbs	$4.00
8	x4 in.	1¾ lbs	4.00
8	x5 in.	2 lbs	4.00
8	x6 in.	2½ lbs	4.00

One dozen in a box.

DISSTONS

Extra cast steel.

	Size	Wt. per doz.	Per doz
Disston's	2½x6 in	1½ lbs	$1.00
	3 x4 in	1½ lbs	.90
	3 x5 in	2 lbs	1.10
	3 x6 in.	2½ lbs	1.30
	3½x6 in.	3 lbs	1.80

ASSORTMENTS

(Small—2x4 to 3x6 in.)

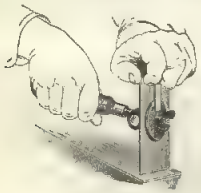
No.	Wt. per doz.	Per doz
5	1¾ lbs.	$1.20

(Large—3½x4 to 3x6 in.)

10	3	lbs.	1.60

One dozen in a box.

UNION ADJUSTABLE SCRAPER



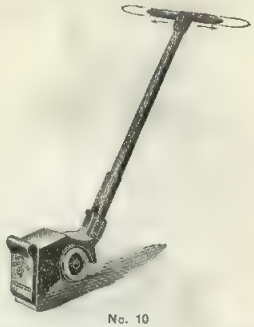
No. 90

For woodworkers, cabinetmakers, ship builders, meat markets, etc.

No.	Wt. each	Each
90	1¼ lbs.	$1.50

One in a box

FLOOR SCRAPERS



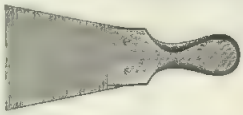
No. 10

Adjustable cross handle. For use on large surfaces. Scrapes floor when drawn toward operator; will work up to wall and into corners. Practically all weight rests on knife, which is firmly clamped; does not vibrate or chatter and leaves no wavy effects on floor. Wheels have heavy rubber tires. Aluminum finish. Blade 6 in., wheels 5 in., handle 38 in.

No.	Wt. each	Each
10	135 lbs.	$30.00

One in a wooden box.

WALL SCRAPER



No. 125

Cold rolled steel blade, bright finish. Beechwood handle, blued screws. Blades 3, 3½ and 4 in., assorted.

No.	Wt. per doz.	Per doz.
125	4½ lbs.	$2.00

One dozen in a box.

CABINET BURNISHERS

No. 1

Oval, pointed, hardwood handle. Blade 4½x⅛ in.

No.	Wt. per doz.	Per doz.
1	1¾ lbs.	$3.35

One-half dozen in a box

No. 4

Square with round point. Hardwood handle. Blade 4½x¼ in.

No.	Wt. per doz.	Per doz
4	2 lbs.	$3.85

One-half dozen in a box.

CORNERING TOOLS, BEADERS, PLANE IRONS

STANLEY CORNERING TOOLS

NOS. 28 AND 29

For rounding sharp edges. A different sized cutter at each end, sharpened to cut with grain of wood without changing position of work.

No.	Cutters	Wt. per doz.	Per doz.
28	$\frac{1}{16}$ and $\frac{1}{8}$ in.	1¼ lbs.	**$8.00**
29	¼ and ⅜ in.	1½ lbs.	**8.00**

One dozen in a box.

STANLEY HAND BEADERS

No 66

Nickel-plated, cast iron frame and handles; seven tempered and polished tool steel cutters, fitted with gauge for straight or oval work. Cutters are sharpened at both ends. Width cutters ⅛ to 1 in., assorted

No.	Wt. each	Each
66	1⅝ lbs.	**$1.00**

One in a box.

STANLEY PLANE IRONS

SINGLE

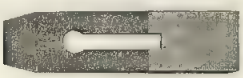
DOUBLE

Size	Wt. each	Each
1⅝ in.	6 oz.	**$0.21**
1⅝ in.	7 oz.	**.23**
2 in.	9 oz	**.25**
2⅛ in.	10 oz	**.27**
2¼ in.	11 oz	**.28**
2⅜ in.	12 oz	**.29**
2⅝ in.	13 oz.	**.32**
No. 9½—Block Plane, Wt. 3 oz.		**.17**

Six in a box.

Size	Wt. each.	Each
1⅝ in	11 oz	**$0.35**
1¾ in	13 oz	**.38**
2 in	17 oz.	**.42**
2⅛ in.	19 oz.	**.45**
2¼ in.	21 oz	**.47**
2⅜ in	23 oz.	**.48**
2⅝ in.	25 oz	**.50**

BUCK BROS. PLANE IRONS



No. 59—SINGLE

No. 60—DOUBLE

No.	Size	Wt per doz.	Per doz
59	1½ in.	5 lbs	**$3.15**
	1⅝ in.	6½ lbs.	**3.20**
	1¾ in	6 lbs.	**3.30**
	1⅞ in	6½ lbs	**3.60**
	2 in	7 lbs	**3.75**
	2⅛ in.	8 lbs	**3.90**
	2¼ in	9½ lbs.	**4.50**
	2⅜ in.	10 lbs.	**5.00**
	2½ in	11 lbs.	**5.25**

One dozen in a box

No.	Size	Wt. per doz.	Per doz
60	1½ in.	8 lbs	**$6.10**
	1⅝ in	9 lbs	**6.10**
	1¾ in	9½ lbs	**6.30**
	1⅞ in	10½ lbs	**6.70**
	2 in	11½ lbs	**6.90**
	2⅛ in	12½ lbs	**7.20**
	2¼ in	14 lbs	**7.90**
	2⅜ in	15 lbs	**8.75**
	2½ in.	16 lbs	**9.30**

One-half dozen in a box.

SPOKE SHAVES

No 51

No 52

Double iron, improved. Cutter and cap iron, fastened by thumb screw so as to bring even pressure on cutter edge, and at same time allow adjustment without the use of screwdriver Handles 10 in., cutter 2⅛ in. No. 51 has raised handle, No. 52 straight handle.

No.	Wt. per doz.	Per doz.
51	8¾ lbs.	**$8.50**
52	8¼ lbs.	**8.50**

One-half dozen in a box.

No 53

No 54

Adjustable mouth; by means of thumb screw mouth can be opened or closed as coarse or fine work may be required. Handles 10 in., cutter 2⅛ in. No. 53 has raised handle, No. 54 straight handle.

No.	Wt. per doz.	Per doz.
53	9½ lbs.	**$4.50**
54	8½ lbs.	**4.50**

One-half dozen in a box.

WOOD BENCH PLANES

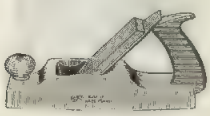
Clean Cut TOOLS MADE

Selected beech wood, finely varnished. Faced and fitted wedges. Bits extra quality, sharpened and honed. **Fully warranted.**

No. 524

No.		Length in	Cutter in	Wt. each lbs	Each
524	**Smooth**	8	2	2	**$1.75**

One in a paper box.



No. 535

No.		Length in.	Cutter in.	Wt. each, lbs.	Each
535	**Smooth**	10¼	2	2½	**$2.25**

One in a paper box.

NOS. 527, 530 AND 533

No.		Length in	Cutter in	Wt. each, lbs.	Each
527	**Jack**	16	2⅛	3½	**$2.25**
530	**Fore**	22	2⅜	5½	**$3.00**
533	**Jointer**	28	2½	6½	**3.50**

One in a paper box.

RAZEE SHIP PLANE

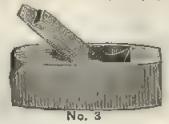
No. 17

Double irons, polished start.

No.		Length, in.	Cutter in	Wt. each, lbs.	Each
118	**Smooth**	8	2 to 2¼	2⅛	**$2.00**
17	**Jack**	15	2 to 2¼	2¾	**2.40**

One in a paper box.

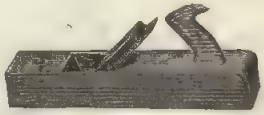
COMMON BENCH PLANES



No. 3

Double irons, polished start.

No.		Length in.	Cutter in.	Wt. lbs.	Each
3	**Smooth**	8	1¾ to 2⅛	2⅛	**$1.80**



No. 15

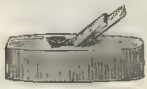
No.		Length in.	Cutter, in.	Wt., lbs.	Each
15	**Jack**	16	2 to 2¼	4	**$2.00**

NOS. 21 AND 27

No.		Length in.	Cutter, in.	Wt., lbs.	Each
21	**Fore**	22	2⅜ to 2⅝	4¼	**$3.40**
27	**Jointer**	26	2½ to 2¾	7½	**3.60**

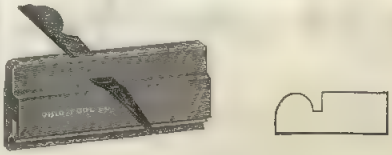
FANCY WOOD PLANES

No. 190—TOOTH



No 47—MITRE

No.	Length	Cutter	Weight	Each
190	7 in.	2⅛ in.	1⅞ lbs.	**$2.00**
47	8 in.	1¾ in.	2 lbs.	**1.50**



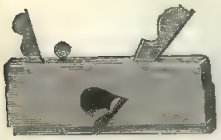
No. 105—SIDE BEAD

Single box.

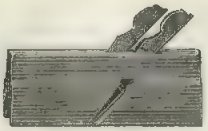
No.	Cutter	Each
105	1/4, ¼, 5/16, ⅜ and ½ in.	**$1.00**

Weight ⅝ to 1¼ lbs.

FANCY WOOD PLANES



No. 177—DADO
Brass screw stop.

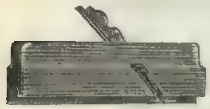


No. 189—NOSING STEP
Two irons.

No.	Cutter	Each
177	¼, ⅜, ½, ⅝, ¾, ⅞ in.	$3.00

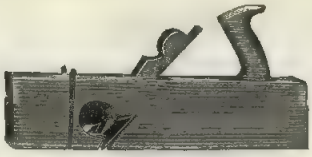
Weights 1 to 1⅝ lbs.

No.	Cutters	Wt. each	Each
189	⅞, 1, 1¼ in.	1⅛ lbs.	$2.20



No. 69—MATCH
In pairs.

No.	Cutters	Wt. each	Per pair
69	½, ⅝, 1 in.	2¾ lbs.	$3.00



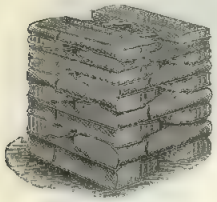
No. 53—HANDLED RABBET
Two cutters; side handle.

No.	Cutters	Each
53	1¼, 1½, 1¾ and 2 in.	$3.80

Weights 2⅛ to 2⅞ lbs

No. 181—SKEW RABBET

No.	Cutters	Wt. each	Per pair
181	¾, ⅞, 1 in.	⅞ lbs	$1.20
	1¼ in.	1¼ lbs	1.30
	1½ in.	1⅜ lbs.	1.40



HOLLOWS AND ROUNDS

No.	4	6	8	10	12	14	16	18	20
Width iron, inches	⅝	½	⅝	¾	⅞	1	1⅛	1¼	1½
Works circle, inches	⅝	1	1¼	1½	1⅝	2	2⅛	2⅛	3
Weight per pair, pounds	1¼	1½	1¾	2	2	2¼	2½	2¾	3
Hollows and Rounds, pair	$2.00	2.00	2.00	2.00	2.00	2.30	2.30	2.30	2.70
Hollows only, each	1.00	1.00	1.00	1.00	1.00	1.15	1.15	1.15	1.35

The round plane cuts the hollow, and vice versa

BAILEY IRON PLANES

Japanned, cast iron frame. Varnished rosewood handles and knobs. Polished caps. Tempered polished tool steel cutters Screw and lever attachments

SMOOTH BOTTOM

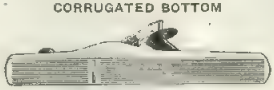
SMOOTH

JACK, FORE AND JOINTER

No.		Length in	Cutter in.	Wt. each. lbs.	Each
1	Smooth	5½	1¾	1¾	$3.00
2	Smooth	7	1⅝	2¼	4.00
3	Smooth	8	1⅝	3⅛	4.20
4	Smooth	9	2	2¾	4.40
4½	Smooth	10	2⅜	4¾	5.00
5	Jack	14	2	4¾	5.00
5½	Jack	15	2¼	6¾	6.00
6	Fore	18	2⅜	7¾	6.50
7	Jointer	22	2⅜	8⅛	7.50
8	Jointer	24	2⅝	9¾	9.00

One in a box.

CORRUGATED BOTTOM



JACK, FORE AND JOINTER

No.		Length in.	Cutter in.	Wt. each. lbs.	Each
3C	Smooth	8	1⅝	3½	$4.20
4C	Smooth	9	2	3¾	4.40
4½C	Smooth	10	2⅜	4¾	5.00
5C	Jack	14	2	5¼	5.00
5½C	Jack	15	2¼	6¾	6.00
6C	Fore	18	2⅜	7¾	6.50
7C	Jointer	22	2⅜	8½	7.50
8C	Jointer	24	2⅝	9¾	9.00

One in a box

G.W. HUNTLEY & CO. CHICAGO

Fine Rich American Deep-Cut Glassware

All Fine Potash, Leaded Blanks. Very Brilliant. Finely Finished.

1863 1917

ZENITH WATER SET

No. E147	Jug, capacity 3¾ pints, each	$11.62
No. E148	Six tumblers, 8 oz., per set	11.58
No. E149	14-inch leaded mirror plateau, each	4.25
No. E150	Set complete	26.28

BUD WATER SET

No. E151	Jug, capacity 3¾ pints, each	$12.50
No. E152	Six tumblers, 8 oz., per set	11.00
No. E153	One 14-inch plateau	10.42
No. E154	Set complete	33.92

LEE WATER SET

No. E155	Jug, capacity 3¼ pints, each	$12.75
No. E156	Six tumblers, 8 oz., per set	11.42
No. E157	14-inch leaded mirror plateau, each	5.42
No. E158	Set complete	29.58

A BUD WATER SET

No. E159	Jug, capacity 3¼ pints, each	$15.67
No. E160	Six tumblers, per set	12.25
No. E161	14-inch leaded mirror plateau, each	11.50
No. E162	Set complete	39.42

VINE WATER SET

No. E163	Jug, capacity 3½ pints, each	$16.25
No. E164	Six tumblers, 8 oz., per set	15.63
No. E165	One 14-inch plateau	10.00
No. E166	Set complete	41.88

PLYMOUTH WATER SET

No. E167	Jug, capacity 3½ pints	$24.32
No. E168	Six tumblers, 8 oz., per set	8.40
No. E169	14-inch mirror plateau	6.93
No. E170	Set complete	39.65

G.W. HUNTLEY CO. CHICAGO

Fine Rich American Deep-Cut Glassware

1863 1917

All Fine Potash, Leaded Blanks Very Brilliant. Finely Finished

EATON JUG

No. E171 Capacity 3 pints, each . $10.00
No. E172 Capacity 4 pints, each .. 12.75

LEGRAND JUG

No. E173 Capacity 3 pints, each. .. $11.82

EXCELLO JUG

No. E174 Capacity 3 pints, each.. . $15.05
No. E175 Capacity 4 pints, each 19.68

MASONIC JUG

No. E176 Capacity 3½ pints each $16.20

YORK JUG

No. E177 Capacity 3½ pints each $15.42

ROSE JUG

No. E178 Capacity 3½ pints, each $20.67

LILY JUG

No. E179 Capacity 3½ pints each . $16.67
No. E180 Capacity 4 pints, each..... 20.42

VINCENT JUG

No. E181 Capacity 4 pints, each.....$25.60

ALHAMBRA JUG

No. E182 Capacity 3½ pints.....each $43.98

Fine Rich American Deep-Cut Glassware

All Fine Potash, Leaded Blanks, Very Brilliant. Finely Finished

TUMBLER
Eaton pattern,
Capacity 8 oz.
No. **E183** Per doz . .$17.37

TUMBLER
Legrande pattern,
Capacity 8 oz
No. **E184** Per doz. .$20.83

TUMBLER
Excelsior pattern,
Capacity 8 ounces
No. **E185** Per doz . $27.78

TUMBLER
York pattern
Capacity 8 ounces
No. **E186** Per doz.. $27.83

TUMBLER
Masonic pattern
Capacity 8 ounces
No. **E187** Per doz $23.15

TUMBLER
Rosa pattern,
Capacity 8 ounces
No. **E188** Per doz .$40.67

TUMBLER
Lily pattern,
Capacity 8 ounces
No. **E189** Per doz .$25.83

TUMBLER
Vincent pattern,
Capacity 8 ounces
No. **E190** Per doz . $50.00

TUMBLER
Alhambra pattern,
Capacity 8 ounces
No. **E191** Per doz .$33.34

ICED TEA TUMBLER
Rose pattern,
Capacity 12 ounces
No. **E192** Per doz. $59.58

FINGER BOWL
Eaton pattern,
Diameter 4½ inches
No. **E193** Each $3.47

FOOTED SHERBET
Pick pattern
Height 3 inches.
No. **E194** Per doz..$22.92

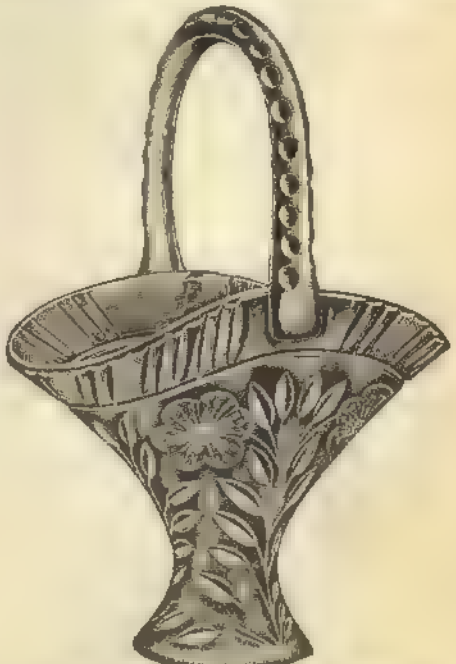
FOOTED SHERBET
India pattern,
Height 3 inches
No. **E195** Per doz..$21.25

FOOTED SHERBET
Pick pattern
Height 3 inches.
No. **E196** Per doz. $25.83

FINGER BOWL
Rose pattern
Diameter 4½ inches
No. **E197** Each... $3.67

ASTER FLOWER OR FRUIT BASKET
No. **E198** Each $22.92
Length 8 inches, height 12 inches
No. **E199** Each 32.35
Length 10 inches height 14½ inches.
No. **E200** Each 50.42
Length 12 inches, height 18½ inches.

A BUD FLOWER OR FRUIT BASKET
No. **E201** Each $18.75
Length 8 inches, height 12 inches
No. **E202** Each 27.83
Length 10 inches height 14½ inches.
No. **E203** Each 67.90
Length 12 inches height 18½ inches.



VINE FLOWER OR FRUIT BASKET
No. **E204** Each $19.80
Length 8 inches, height 12 inches
No. **E205** Each 29.17
Length 10 inches height 14½ inches.
No. **E206** Each 39.58
Length 12 inches, height 18½ inches.

Fine, Rich American Deep-Cut Glassware

All Fine Potash, Loaded Blanks. Very Brilliant. Finely Finished.

1863 1917

BOWL
Star Fern pattern
No. E207 Diameter 8 inches, each.....$6.25

BOWL
Dale pattern.
No. E208 Diameter 8 inches, each.....$7.34

BOWL
Masonic pattern.
No. E209 Diameter 8 inches, each.....$9.25

BOWL
Gem pattern.
No. E210 Diameter 8 inches, each.....$10.42
No. E211 Diameter 9 inches, each..... 14.17

BOWL
Alpha pattern.
No. E212 Diameter 8 inches, each.....$14.58
No. E216 Diameter 9 inches, each..... 19.17
No. E214 Diameter 10 inches, each..... 30.67

BOWL
Lily pattern.
No. E215 Diameter 8 inches, each.....$15.00
No. E216 Diameter 9 inches, each..... 20.67

BOWL
Fern pattern.
No. E217 Diameter 8 inches, each.....$15.67
No. E218 Diameter 9 inches, each..... 20.42
No. E219 Diameter 10 inches, each..... 30.25

BOWL
Vine pattern.
No. E220 Diameter 8 inches, each.....$16.68

BOWL
Alhambra pattern.
No. E221 Diameter 8 inches.....each $32.40
No. E222 Diameter 9 inches.....each 40.52
No. E223 Diameter 10 inches.....each 48.62

FOOTED BOWL
A bad pattern.
No. E224 Each.....$15.42
Diameter 7¾ inches, height 7 inches.

BOWL
Vincent pattern.
No. E225 Diameter 8 inches, each.....$17.50

VINE FOOTED BOWL
No. E226 Each.....$15.42
Diameter 7 inches, height 7¾ inches.

G.W. HUNTLEY & CO. CHICAGO

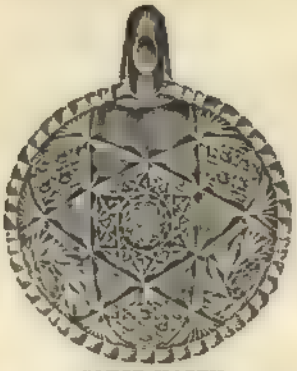
Fine Rich American Deep-Cut Glassware

1863 1917

All Fine Potash Leaded Blanks. Exceptionally Brilliant. Finely Finished.

[illegible] NAPPY

No. E227 5 in., round, each..$3.25
No. E228 6 in., round, each.. 3.75
No. E229 5 in., handled, ea.. 3.25
No. E230 6 in., handled, ea.. 3.75



JOYCE NAPPY

No. E231 5 in., handled, ea..$3.35
No. E232 6 in., handled, ea.. 4.00
No. E233 5 in., round, each.. 3.35
No. E234 6 in., round, each.. 4.00

BUD NAPPY

No. E235 5 in., [illegible], ea..$3.58
No. E236 6 in., [illegible], ea.. 4.17
No. E237 5 in., round, each.. 3.58
No. E238 6 in., round, each.. 4.17

ROSE NAPPY

No. E239 5 in., round, each..$4.58
No. E240 6 in., round, each.. 5.83
No. E241 6 in., handled, ea.. 4.58
No. E242 6 in., handled, ea.. 5.83

VINE FOOTED NAPPY

No. E243 7 inches, each....$ 8.35
No. E244 8 inches, each.... 11.05

VINCENT NAPPY

No. E245 6 in., round, each $6.00
No. E246 6 in., handled, ea.. 6.25

VINE NAPPY

No. E247 5 in., handled, ea..$4.83
No. E248 6 in., handled, ea.. 5.83
No. E249 5 in., round, each.. 4.67
No. E250 6 in., round, each.. 5.83

FERN NAPPY

No. E251 6 inches, each ...$ 8.75
No. E252 8 inches, each .. 15.00
No. E253 9 inches, each.... 19.00

PEARL BON BON BASKET

No. E254 Each . . . $5.67

Diameter 4 inches, height 5 inches.

FERN ALMOND SET

Large almond each, diameter 4 inches, height 2½ inches. Individual almond cross diameter 2½ inches, height 2 inches. Mirror tray, diameter 10 inches.

No. E255 Complete set.....$32.08

ROSE PATTERN BASKET

No. E256 Each $7.26

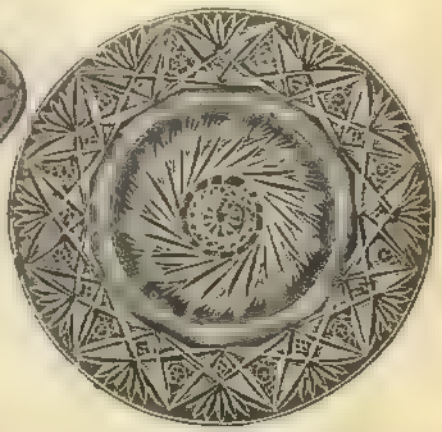
Diameter 4½ inches, height 6 inches.

LILY SANDWICH PLATE

No. E257 Diameter 6 inches, each..$ 5.42
No. E258 Diameter 7 inches, each.. 7.00
No. E259 Diameter 8 inches each.. 8.58
No. E260 Diameter 9 inches, each.. 10.42
No. E261 Diameter 10 inches, each.. 12.50

LILY PATTERN SERVETTE

No. E262 Diameter 10 in., height 6¾ in., each. $22.17



HEBE SANDWICH PLATE

No. E263 Diameter 6 inches, each..$ 7.58
No. E264 Diameter 7 inches, each.. 8.58
No. E265 Diameter 8 inches, each.. 11.50
No. E266 Diameter 9 inches, each.. 13.58
No. E267 Diameter 10 inches, each . 17.35

Fine Rich American Deep-Cut Glassware

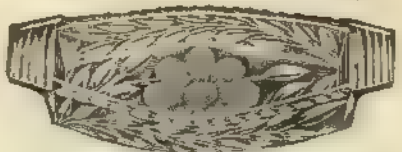
All Fine Potash Leaded Blanks. Exceptionally Brilliant. Finely Finished

G. W. HUNTLEY CO. CHICAGO

1863 1917

BRISTOL PATTERN
Length 8 inches.
No. **E268** Spoon tray, each.....$3.19

MASONIC PATTERN
Length 8 inches.
No. **E269** Spoon tray, each.....$3.28



BUD PATTERN
Length 8 inches, width 3½ inches.
No. **E270** Spoon tray, each.....$3.07

LILY PATTERN
Domino Sugar Holder
Length 8½ inches, diameter 2 inches.
Height 1¾ inches.
No. **E271** Each.....$4.87

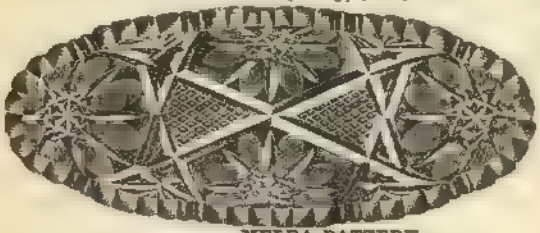
LILY PATTERN
Biscuit Tray
Length 11½ inches, diameter 8½ inches.
Height 2 inches.
No. **E272** Each.....$13.75

ROSE PATTERN
Biscuit or Celery Tray
No. **E273** 9-inch biscuit tray, each.....$ 9.42
No. **E274** 12-inch footed celery tray, each. 14.00

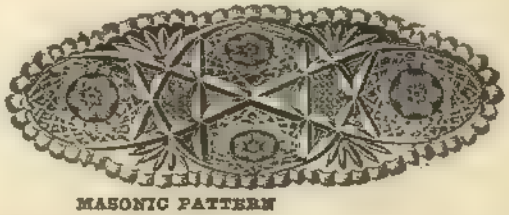
TIGER PATTERN
Celery or Spoon Holder
Dimensions 6¼x4 inches.
Celery Holder.
No. **E276** Each....$11.50

Spoon Holder.
Dimensions 4¾x3¼ in.
No. **E277** Each.....$7.75

FERN PATTERN
Celery Tray
No. **E275** Length 11 inches, each.....$4.62



MELBA PATTERN
Celery Tray
No. **E278** Length 11½ inches, each.....$6.75



MASONIC PATTERN
Celery Tray
No. **E279** Length 12 inches, each.....$5.78

MELROSE PATTERN
Celery Tray
No. **E280** Length 12 inches, each.....$3.57

FERN PATTERN
Celery Tray
Length 13½ inches, width 5⅝ inches, height 2⅛ inches.
No. **E281** Each.....$15.67

BUD PATTERN
Celery Tray
Length 12 inches, width 4½ inches.
No. **E282** Each.....$3.17

BELLE PATTERN
Celery Tray
Length 11 inches, width 5 inches.
No. **E283** Each.....$9.42

PLYMOUTH PATTERN
Ice Cream Tray
Length 14 inches, width 7½ inches
No. **E284** .....each $15.05

Fine Rich American Deep-Cut Glassware

All Fine Potash Leaded Blanks. Very Brilliant. Finely Finished

BUD SUGAR AND CREAM SET

Height 2⅞ inches. Diameter 3½ inches. Height 2⅝ inches. Diameter 3½ inches.

No. **E285** Per set $5.67

MELBA SUGAR AND CREAM SET

Height 2½ inches. Diameter 3⅝ inches. Height 2¼ inches. Diameter 3⅝ inches.

No. **E287** Per set $6.25

BUD SUGAR, CREAMER AND SPOON SET

Sugar: Height 2⅝ inches, diameter 3 inches. Cream: Height 2⅜ inches, diameter 3 inches. Spoon: Height 1¼ inches, length 5⅝ inches.

No. **E286** Per set. $15.67

BILLIE SUGAR AND CREAM SET

Height 3 inches. Diameter 3¼ inches. Height 3 inches. Diameter 3½ inches.

No. **E288** Per set $7.00

GEM SUGAR AND CREAM SET

Height 3 inches. Diameter 4 inches. Height 2¾ inches. Diameter 4 inches.

No. **E289** Per set $8.75

VINE SUGAR AND CREAM SET

Height 2¾ inches. Diameter 4 inches. Height 3 inches. Diameter 4 inches.

No. **E290** Per set $9.38

PLYMOUTH SUGAR AND CREAM SET

Height 2½ inches. Diameter 3½ inches. Height 2⅝ inches. Diameter 3⅝ inches.

No. **E291** Per set $12.72

LILY SUGAR AND CREAM SET

Height 3 inches. Diameter 3½ inches. Height 3¼ inches. Diameter 3½ inches.

No. **E292** Per set $12.50

ROSE SUGAR AND CREAM SET

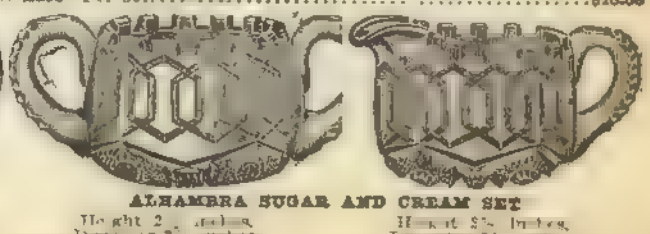
Height 3½ inches. Diameter 3½ inches. Height 4¼ inches. Diameter 3¾ inches.

No. **E293** Per set $13.88

VERNET SUGAR AND CREAM SET

Height 2¾ inches. Diameter 4 inches. Height 3 inches. Diameter 4 inches.

No. **E294** Per set $15.00



ALHAMBRA SUGAR AND CREAM SET

Height 2½ inches. Diameter 3½ inches. Height 3½ inches. Diameter 3½ inches.

No. **E295** Per set $17.75

Fine Rich American Deep-Cut Glassware

All Fine Potash Leaded Blanks. Exceptionally Brilliant. Finely Finished

LILY PATTERN
Syrup pitcher.
½ pint capacity.
Quadruple silver plated top.
No. E296 Each..$11.50

ROSE PATTERN
Toothpick holder.
Height 3 inches.
No. E297 Each $3.75

COLONY PATTERN
Napkin ring.
Diameter 2 inches.
No. E298 Each..$2.57

NORWAY PATTERN
Napkin ring.
Diameter 2 inches.
No. E299 Each..$2.42

HERMES PATTERN
Toothpick holder.
Height 3 inches.
No. E300 Each $4.17

LILY PATTERN
Call bell.
Dimensions 6x3½ in.
No. E301 Each .$7.75

FERN PATTERN
Mayonnaise set. Height 3½ inches. Diameter of bowl 6 inches. Diameter of plate 7 inches.
No. E302 Per set $7.40

ALPHA PATTERN
Ice tub. Height 5½ inches, height 4¼ inches. No. E303 Each $10.42

INDIA PATTERN
Mayonnaise set. Height of bowl 2½ inches. Diameter of bowl 5 inches. Diameter of plate 6 inches.
No. E304 Per set $11.08

JOYCE PATTERN
Oil or Vinegar bottle.
Height 7½ inches.
No. E305 Each $5.25

HERMES PATTERN
Oil or Vinegar bottle.
Height 6 inches.
No. E306 Each $6.25

A BUD PATTERN
Oil or Vinegar bottle
Height 7 inches.
No. E307 Each..$5.25

JOYCE PATTERN
Oil or Vinegar bottle
Height 9½ inches.
No. E308 Each..$5.67

LILY PATTERN
Oil or Vinegar bottle
Height 7½ inches.
No. E309 Each. $5.67

VINCENT PATTERN
Oil or Vinegar bottle
Height 8 inches
No. E310 Each $10.00

VINE PATTERN
Compote
No. E311 Each $7.00
Height 5 inches, diameter 5 in
No. E312 Each $8.75
Height 6 inches, diameter 6 in

JOYCE PATTERN
Compote
No. E313 Each $5.42
Height 4⅝ in., diameter 5 in
No. E314 Each $7.35
Height 5⅝ in., diameter 6 in.

EMPIRE PATTERN
Compote
No. E315 Each $5.42
Height 4¼ in., diameter 5 in
No. E316 Each $7.35
Height 5⅝ in., diameter 6 in.

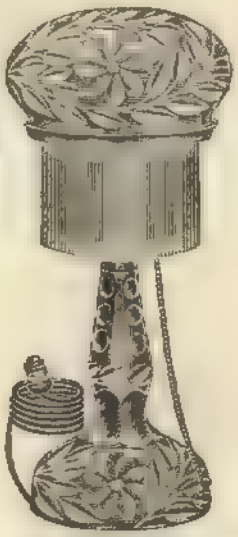
BUD PATTERN
Compote
No. E317 Each $5.67
Height 6½ in., diameter 6 in.
No. E318 Each $7.35
Height 7⅝ in., diameter 6 in.

Fine Rich American Deep Cut Glassware

All Fine Potash Leaded Blanks, Very Brilliant, Finely Finished.

LILY ELECTROLIER

No. E385 With pendants. $ 73.35
Height 16½ inches.
No. E386 With pendants 100.00
Height 24 inches.



BUD ELECTROLIER

No. E387 With fringe . $20.83
Height 14½ inches.
No. E388 With pendants .. 61.92
Height 16½ inches.

CROWN ELECTROLIER

No. E389 With fringe ....$ 27.50
Height 14 inches.
No. E390 With pendants . 79.17
Height [illegible] inches.
No. E391 With pendants.. 106.25
Height 24 inches.

INDIA ELECTROLIER

Globe diameter 6 inches.
No. E392 Height 15½ in...$21.92

ROSE ELECTROLIER

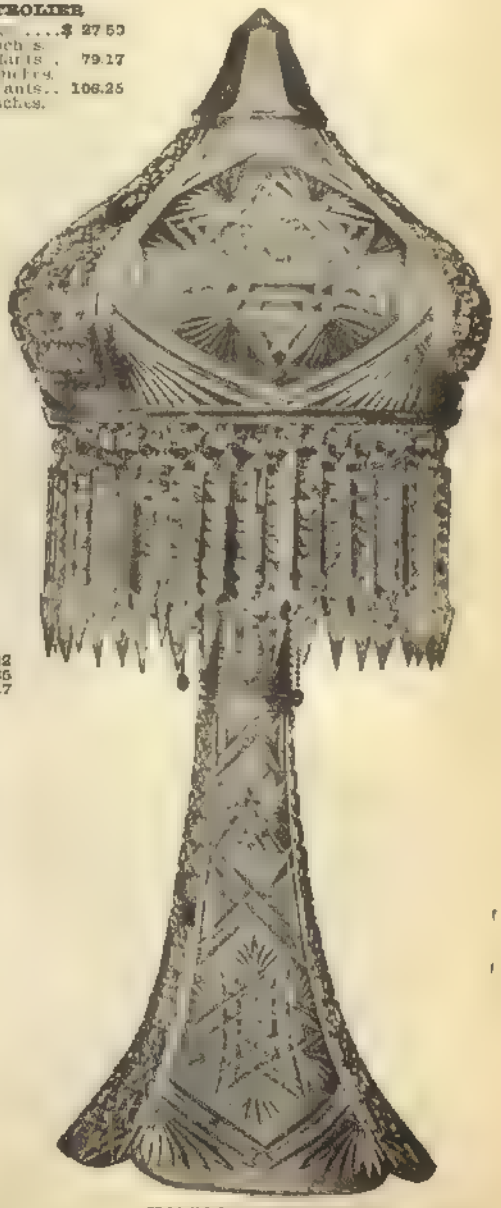
No. E393 Height 23 inches, pendants..$ 79.17
No. E394 Height 27½ inches, pendants 152.92

GEM ELECTROLIER

No. E395 Height [illegible] inches fringe . .$ 25.42
No. E396 Height 16 inches, pendants 73.35
No. E397 Height 24 inches pendants 104.17

INDIA ELECTROLIER

No. E398 Height 16½ inches pendants .$55.00



NAPLES ELECTROLIER

No. E399 Height 30 inches, pendants..$142.08

Fine Rich American Deep-Cut Glassware

All Fine Potash Leaded Blanks. Very Brilliant. Finely Finished.

JOYCE COLOGNE

			Each
No.	E400	2 oz.	$4.42
No.	E401	4 oz.	5.25
No.	E402	6 oz.	6.25
No.	E403	8 oz.	7.35
No.	E404	12 oz.	8.75
No.	E405	16 oz.	10.42

GEM COLOGNE

			Each
No.	E406	2 oz.	$ 4.67
No.	E407	12 oz.	11.08

ASTER ATOMIZER

No. E408 [illegible] $6.92

ROSEBUD COLOGNE

			Each
No.	E409	4 oz.	$ 7.75
No.	E410	6 oz.	9.00
No.	E411	8 oz.	9.83

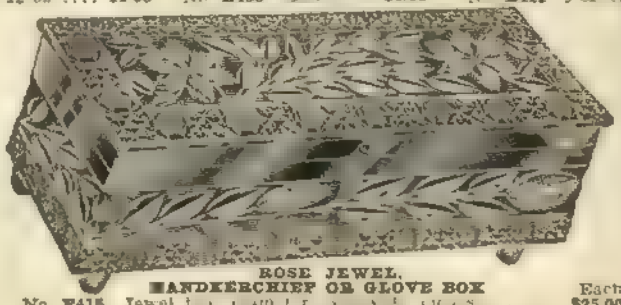
VINCENT COLOGNE

No. E412 4 oz, each $10.00

LILY PUFF BOX OR HAIR RECEIVER

Diameter 4 inches, height 3 inches.

No.	E413	Hair receiver, each.	$7.75
No.	E414	Puff box each.	7.75



ROSE JEWEL, HANDKERCHIEF OR GLOVE BOX

			Each
No.	E415	Jewel box, diameter [illegible] inches	$25.00
No.	E416	Handkerchief box, [illegible] inches	37.50
No.	E417	Glove box, diameter [illegible] inches	43.35

GEM PUFF BOX OR HAIR RECEIVER

No.	E418	Puff box, each.	$6.25
		Diameter 4 inches.	
No.	E419	Hair receiver, each.	8.25
		Diameter 4 inches.	
No.	E420	Puff box, each.	10.42
		Diameter 4¾ inches.	
No.	E421	Hair receiver, each.	10.42
		Diameter 4¾ inches.	

LILY JEWEL CASE OR POWDER BOX

No.	E422	Diameter 5 inches, each	$12.35
No.	E423	Diameter 7 inches, each	17.92
No.	E424	Diameter 8 inches, each	25.42

GEM CIGAR JAR

No. E425 each [illegible] $19.83

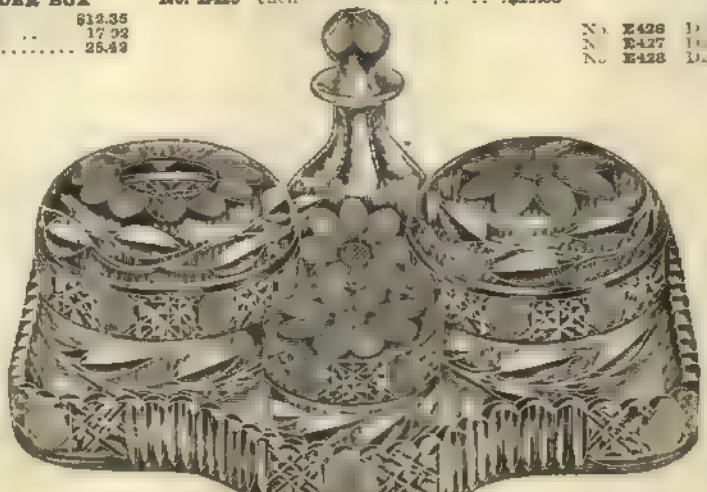
ROSE JEWEL BOX

No.	E426	Diameter 5 inches, each	$18.35
No.	E427	Diameter 6 inches, each	22.92
No.	E428	Diameter 8 inches, each	30.42

GEM CLOCK

Height 5 inches, width 3⅞ inches. Nickel, 30-hour movement.

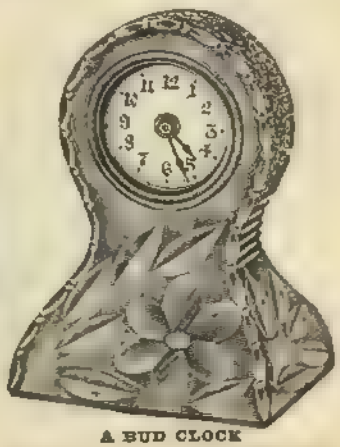
No. E429 Each [illegible] $8.75



A BUD DRESSER SET

Tray 10 in. long, 8 in. wide; puff 3¾ in. diam., 3⅜ in. high; hair receiver 3⅜ in. diam., 3⅜ in. high; salve 2⅞ in. diam., 2⅜ in. high; cologne 2 oz., 5 in. high.

No. E430 Set complete [illegible] $34.42



A BUD CLOCK

Height 5½ inches, width 3⅞ inches. Nickel, 30-hour movement.

No. E431 Each [illegible] $9.42

HOOKAROONS

Axe Handled, Steel Point Pick

No. **421.**	Light Picks	Per Doz.	$13 00
No. **422.**	Heavy Picks	Per Doz.	16 45

CANT HOOK AND PEAVEY BOLTS

No. **592.** ⅞x1¾ inch Cant Hook and Peavy Bolts....Per 100 $5 90

CANT HOOK CLASPS

No **573.** 2½ inch malleable iron Cant Hook Clasps Per Doz. $5 00

PEAVEY HOOKS

No. **564.** 1x⅞ inch forged tool steel, duck-bill Hooks Per Doz. $12 50

PIKE POLES

With Curved Pike and Hook

Handles are made from selected white ash, pikes hand forged of hammered crucible cast steel and driven cold. Ferrules seamless Norway iron.

No. **407.**	Length of pole, 12 feet	Per Doz.	$23 75
No. **408.**	Length of pole, 14 feet	Per Doz.	28 50
No. **409.**	Length of pole, 16 feet	Per Doz.	35 00
No. **410.**	Length of pole, 18 feet	Per Doz.	45 00

HANDLES FOR PIKE POLES

No.	776	777	778	779
Length, feet	12	14	16	18
Per Doz	$11 25	13 75	17 50	25 00

PIKE POLE FERRULES

No **222.** 2½x4½ feet, rock maple handle, duck-bill hook, malleable iron

PIKE POLE PIKES AND HOOKS

No. **504.** Forged from one piece of steel, weight per dozen, 9¼ pounds. Per Doz. $10 00

PEAVEY HANDLES

Rock Maple

Selected Straight Grain Stock, Wax Finish.

No. **701.**	2¼x4 feet	Per Doz.	$6 00
No. **702.**	2¼x4½ feet	Per Doz.	6 25
No. **704.**	2½x4½ feet	Per Doz.	6 50
No. **705.**	2½x5 feet	Per Doz.	6 75
No. **708.**	2¾x4½ feet	Per Doz.	7 25
No. **709.**	2¾x5 feet	Per Doz.	7 50
No. **712.**	3 x5 feet	Per Doz.	8 00

Hickory

Extra Quality.

No. **749.**	2¼x4 feet	Per Doz.	$7 00
No. **750.**	2¼x4½ feet	Per Doz.	7 25
No. **751.**	2½x4½ feet	Per Doz.	7 50
No. **752.**	2½x5 feet	Per Doz.	7 75
No. **755.**	2¾x4½ feet	Per Doz.	9 00
No. **756.**	2¾x5 feet	Per Doz.	9 50
No. **759.**	3 x5 feet	Per Doz.	10 75

BANGOR PEAVIES

Wrought Steel Socket, Pick and Clasp in One Piece.

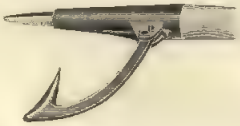
Duck-Bill Hooks, Rock Maple Handles

No. 121.	2¼x4 foot handle	Per Doz.	$35 90
No. 122.	2¼x4½ foot handle	Per Doz.	36 90
No. 125.	2½x4½ foot handle	Per Doz.	38 00
No. 126.	2½x5 foot handle	Per Doz.	39 00
No. 128.	2¾x4½ foot handle	Per Doz.	44 35
No. 129.	2¾x5 foot handle	Per Doz.	45 35
No. 138.	3 x5 foot handle	Per Doz.	52 00

Duck-Bill Hooks, Hickory Handles

No. 136.	2½x4 foot handle	Per Doz.	$41 25
No. 137.	2¼x4½ foot handle	Per Doz.	42 25
No. 140.	2½x4½ foot handle	Per Doz	43 50
No. 141.	2½x5 foot handle	Per Doz	44 50
No. 143.	2¾x4½ foot handle	Per Doz.	51 45
No. 144.	2¾x5 foot handle	Per Doz	52 45
No. 148.	3 x5 foot handle	Per Doz.	58 00

MALLEABLE SOCKET PEAVIES



Malleable Split Sockets, Tool Steel Hooks.

Duck-Bill Hooks, Rock Maple Handles

No. 1.	2¼x4 foot handle	Per Doz.	$24 70
No. 2.	2¼x4½ foot handle	Per Doz.	25 40
No. 5.	2½x4½ foot handle	Per Doz.	26 40
No. 6.	2½x5 foot handle	Per Doz.	27 10
No. 8.	2¾x4½ foot handle	Per Doz.	30 40
No. 9.	2¾x5 foot handle	Per Doz.	31 10
No. 18.	3 x5 foot handle	Per Doz.	34 90

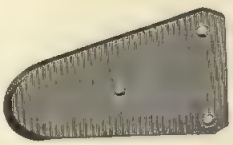
Duck-Bill Hooks, Hickory Handles

No. 31.	2¼x4 foot handle	Per Doz.	$31 50
No. 32.	2¼x4½ foot handle	Per Doz.	32 50
No. 35.	2½x4½ foot handle	Per Doz	32 90
No. 36.	2½x5 foot handle	Per Doz.	33 90
No. 38.	2¾x4½ foot handle	Per Doz.	37 80
No. 39.	2¾x5 foot handle	Per Doz	38 80
No. 48.	3 x5 foot handle	Per Doz.	43 00

CANT HOOKS

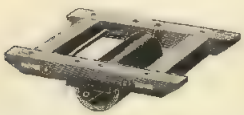
No. 222. 2½x4½ foot rock maple handle, duck-bill hook, malleable clasp ..... Per Doz. $19 40

CHOPPING BOARD IRONS



Chopping Board Irons. 6x9 inches, flat; has sharp edge to catch on tree..... Per Doz. $7 50

TIMBER DOLLYS



No. 649. Hardwood frame, cast iron rollers, 6 inch diameter ..... Each $8 50

No. 650. Hardwood frame, cast iron rollers, 8 inch diameter ..... Each 10 00

RAFTING DOGS

No. 640. ½ inch, 1¼ inch eye, 5 inches long, weight per 100, 56 pounds..... Per 100 $14 00

No. 641. ⅝ inch, 1¼ inch eye, 6 inches long, weight per 100, 90 pounds..... Per 100 18 00

REPAIR LINKS

Wrought Iron, Tumbled Finish.

Size, Inches	⅜	½	⅝	¾	⅞	1
Per Gross	$2 00	2 50	4 00	6 00	8 00	10 00

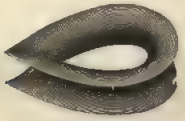
Bulk.

COLD SHUTS

Wrought Iron, Natural Finish

Size, Inches	½	⅝	¾	⅞	1	1¼	1½
Per 100	$3 50	3 85	4 40	5 25	7 90	11 60	22 80

WIRE ROPE THIMBLES



Wrought Iron, Galvanized.

Width Score, Inches	½	⅝	¾	⅞	1
Circ. Rope, Inches	¾	⅞	1	1¼	1½
Per Doz.	$0 60	0 72	0 84	0 96	1 08
Width Score, Inches	⅝	¾	⅞	1	
Circ. Rope, Inches	2	2½	2¾	3	
Per Doz.	$1 32	1 56	1 68	2 16	

GRAB AND ROUND CHAIN HOOKS

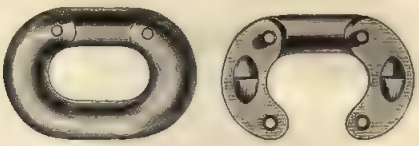
GRAB HOOKS

Size, Inches	⅜	½	⅝	¾	⅞
Per Doz.	$2 75	3 25	3 75	4 50	6 75

CHAIN HOOKS

Size, Inches	⅜	½	⅝	¾	⅞
Per Doz.	$2 75	3 25	3 75	4 50	6 75

CONNECTING LINKS



Thompsons Pattern—Japanned

Size, Inches	¼	⅜	½	⅝	¾
Per Doz.	$1 00	1 10	1 20	1 35	1 50

One Dozen in a Package

WIRE ROPE CLIPS

Bull Dog—Plain, for Wire Rope

Size, Diam. Rope, In.	¼	⅜	½	⅝	¾	⅞	1
Each	$0 25	0 25	0 30	0 35	0 40	0 45	0 50

DOG HOOKS

Urens

Size, Inches	½x1½	⅝x1¾	⅝x2	¾x2	¾x2½
Wt., per Doz. lbs.	21	33	45	61	63
Per Doz.	$14 00	16 00	17 00	18 00	20 00
Size, Inches	⅞x2	⅞x2½	⅞x2½	1x2¼	1x2½
Wt., per Doz., lbs.	63	72	81	81	96
Per Doz.	$20 00	22 00	34 00	34 00	36 00

SWAMP HOOKS

Octagon Tool Steel.

No. 550. Made of 1 inch steel, with ring and grab hook ..... Per Doz. $30 00

No. 551. Made of 1⅛ inch steel, with ring and grab hook ..... Per Doz. 32 50

SWAMP HOOKS

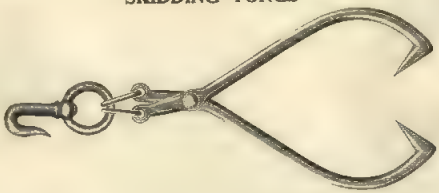
No. 20—Octagon Tool Steel, with Ring

Size In.	Wt., Each	Each	Size In	Wt. Each	Each
¾	3 lbs.	$1 05	1½	12½ lbs.	$2 25
⅞	3½ lbs.	1 50	1⅝	15½ lbs	2 55
1	5 lbs	1 75	1¾	16 lbs	3 25
1⅛	6½ lbs.	1 90	2	24 lbs.	3 75
1¼	9 lbs.	2 10	2¼	33 lbs.	4 90
1⅜	10 lbs.	2 20	2½	44 lbs.	6 40

No. 21—Flat Tool Steel, with Ring

Size, In	Wt., Each	Each	Size, In.	Wt., Each	Each
½x2	6 lbs	$2 05	1 x2	13 lbs.	$3 45
⅝x1½	8 lbs.	2 25	1 x2¼	14 lbs.	3 60
¾x2	10 lbs.	2 67	1 x2½	17 lbs.	3 75
⅞x2	12 lbs	2 80	1⅛x2¼	20 lbs.	4 15
⅞x2¼	14 lbs.	3 30	1¼x2½	24 lbs.	4 50
⅞x2½	15 lbs.	3 45			

SKIDDING TONGS



Octagon Forged Tool Steel, with Blind Swivel and Grab Hook

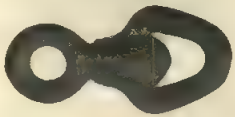
No. 504. 1 inch octagon forged steel hook, weight 220 pounds per dozen — Per Doz. $118 50
No. 505. 1⅛ inch octagon forged steel hook, weight 280 pounds per dozen — Per Doz. 130 00

RETURN LINE SWIVEL HOOKS

No. 35—Hand Forged from Best Machine Steel

Size Swivel, Inches	½	⅝	¾	⅞
Size Hook, Inches	1⅛	1¼	1⅜	1⅝
Weight, Each	4	5	9	14
Price, Each	$4 05	4 60	5 05	6 15

MAIN LINE SWIVELS



No. 51

Size, Inches	½	⅝	¾	⅞
Weight Each, Pounds	2	2½	3	4
Each	$2 70	3 10	3 40	3 90
Size, Inches	1	1⅛	1¼	1½
Weight, Each, Pounds	5	8	12	18
Each	$4 15	4 50	5 65	6 40

MAIN LINE SWIVEL HOOKS

No. 88—Hand Forged from Best Machine Steel

Size Swivel, Inches	1⅛	1¼	1⅜	1½
Size Hook, Inches	2	2¼	2¼	2½
Weight, Each	26	31	33	40
Price, Each	$7 15	8 65	8 35	9 75

SWIVEL CHOKER HOOKS

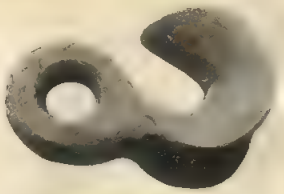
No. 82

Size, Inches	¾x2	⅞x2	1x3¼	1¼x4
Weight, Each, Pounds	9	12	13	18
Each	$4 15	4 35	4 90	5 65

CHOKER HOOKS

Plain Eye

Size, Inches	⅝x2	¾x2	⅞x2½	1x3
Weight, Each, Pounds	2½	2¾	3½	5½
Each	$1 20	1 30	1 50	1 60
Size, Inches	1⅜x3½	1¾x4		1½x5
Weight Each, Pounds	8	8½		17¾
Each	$1 90	2 55		3 90



Cross Eye

Size, Inches	⅞x2½	1x3
Weight, Each, Pounds	3½	5
Each	$1 65	1 90
Size, Inches	1¼x3½	1¼x4
Weight, Each, Pounds	8¾	10
Each	$2 25	2 55

SWIVEL HOOKS

No. 38

Size, Inches	⅞x3	1x3½	1¼x4
Weight, Each, Pounds	13	16	19
Price, Each	$4 65	5 15	6 00

SWIVEL HOOK

No. 37

Size, Inches	1¼	1½	2	2½	2½
Weight, Each	12	16	18	20	23
Price, Each	$5 05	6 15	7 15	8 66	9 65

COUPLING HOOKS

No. 53

Inches	⅜	½	⅝	¾
Weight, each, pounds	⅝	½	⅝	⅝
Each	$0 90	0 90	0 90	

Youngs Butt Chain Blocks

YOUNGS BUTT CHAIN BLOCKS

White metal, brass bushed sheave, heavy boiler steel plate shell. Extra heavy machine steel shackle and straps, steel pin with internal lubrication

No.	814	816
Sheave, Inches	14x6	16x8
Shell, Inches	21	21
Diameter, Pin, Inches	2½	2½
Weight, each, pounds	260	450
Each	$39 75	66 75

Extra Pins for Butt Chain Blocks

No.	14 and 814	16 and 816
Diameter, Inches	2⅞	2½
Each	$4 50	5 25

YOUNGS LOGGING BLOCKS

Youngs Steel Donkey Blocks

Cast steel shell, double hinge, with rib re-inforcement, hand forged tool steel bull hook, deep socket swivel eye, Young's special process semi-steel sheave, tool steel axle pin, steel oil cups.

Nos.	8	10	12
Sheaves, Inches	2¼x8	2¼x10	2¼x12
Diameter Pin, Inches	2½	2½	2½
Weight Each, Pounds	95	120	150
Bronze Bushed, Each	$21 00	24 00	30 00
Plain Bushed, Each	$19 50	23 10	28 50
Extra Axle Pins, Each	4 50	4 50	4 50

Youngs Side Yarding or Donkey Blocks

Opens away from the strained rope, which does away with the high lift of cable. Cast steel shell, hand forged tool steel bull hook, the swivel and yoke are of machine steel 25% carbon; side of shell is hinged onto yoke with 1 inch tool steel pin, which acts as hinge; locking pin is also of one inch tool steel. Has Young's special process semi-steel sheave, bronze bushed; tool steel pin, steel oil cups.

Nos.	8-A	10-A	12-A
Sheave, Inches	2¼x8	2¼x10	2¼x12
Diameter Pin, Inches	2½	2½	2½
Weight Each, Pounds	100	125	155
Each	$22 80	27 40	34 20
Extra Axle Pins, Each	4 50	4 50	4 50

Youngs Return Line Shackle Blocks

Extra quality cast steel shell, thorough rib reinforcement, machine steel shackle and pin, sheave is for Young's special process semi-steel, bronze bushed. 1½ inch tool steel axle pin with oil cups

Nos.	61	81	91
Sheave, Inches	6x1¼	8x1¼	9x1¼
Diameter Pin, Inches	1½	1½	1½
Weight Each, Pounds	18	29	34
Each	$6 00	8 40	9 60
Extra Axle Pins, Each	3 00	3 00	3 00

Adapted to Wire Rope up to ⅝ inch diameter.

YOUNGS LOGGING BLOCKS

DONKEY BLOCKS

White metal, plain bushed sheave, heavy boiler plate steel shell, heavy machine steel straps, swivel, hook and link. Adapted to wire rope ¾ to 1⅛ inch.

No.	808	810	812
Sheave, Inches	8x2	10x2	12x2
Shell, Inches	14	16	18
Diameter Pin, Inches	1⅛	1⅛	1⅛
Weight Each, Pounds	76	98	117
Each	$18 75	19 90	24 00

EXTRA PINS FOR DONKEY BLOCKS

No.	808 to 812
Diameter, Inches	1⅛
Each	$1 90

HEAD LINE BLOCKS

Adapted to wire rope ⅛ to 1 inch.

Has steel boiler plate shell, with heavy machine steel straps, hand forged machine steel shackle and pins

Sheave is of Young's special process semi-steel (or white metal), plain bushed, tool steel axle pins, with steel oil cups.

Nos. 710 to 718

Nos.	710	712	714	716	718
Sheave, Inches	10x1⅛	12x1½	14x1⅛	16x1⅛	18x1½
Shell, Inches	11	12	15	16	17½
Diameter Pin, Inches	1⅛	1⅛	1⅛	1½	1½
Weight, Each, Pounds	55	75	105	125	135
Each	$14 25	15 75	18 00	21 00	27 00

Extra Pins for Head Line Blocks

Nos 710 to 718, with Oil Cups

Weight, 3 lbs. Each ..... Each $2 25

Nos. 100 to 140

HEAD LINE BLOCKS

This block is built on latest model and is particularly designed for long, continuous high speed service. Is so built that it is light, picks up easily and quickly.

Particular attention is called to Nos. 160, 180 and 200, which are built with skeleton frame, permitting of very light weight considering diameter of sheave.

Shell is of cast steel, thoroughly re-inforced. Has Young's Special Process Semi-Steel (or White Metal) plain bushed sheaves, extra tool steel axle pin.

Adapted to wire rope ⅛ to 1 inch.

Nos. 160, 180 and 200

Nos	100	120	140	160	180	200
Size Sheave, Inches	10	12	14	16	18	20
Weight Each, Pounds	68	88	102	118	148	165
Each	$15 60	18 60	21 60	27 60	33 00	41 10
Extra Pins, Each	4 50	4 50	4 50	4 50	4 50	4 50

YOUNGS RETURN LINE SHACKLE BLOCKS

Nos. 681 to 8010
Showing Without Oil Cup

Nos. C861 to C8010
Showing With Oil Cup

Adapted to wire rope up to ¾ inch diameter.

These blocks have steel boiler plate sides, with heavy machine steel straps, heavy machine steel forged shackle and pins.

Sheaves are of Young's Special Process Semi-Steel (or White Metal), plain bushed, tool steel axle pins.

Without Oil Cups

Nos.	861	881	891	8010
Sheave, Inches	1x6x1¼	1x8x1¼	1x9x1¼	1x10x1¼
Shell, Inches	8	10	11	12
Diam. Pin, Inches	1	1¼	1¼	1¼
Weight, Each, Lbs.	14	25	29	35
Each	$5 25	6 75	7 50	9 00

With Oil Cups

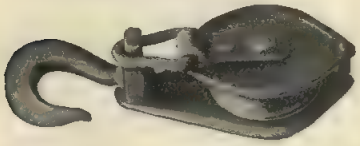
Nos.	C861	C881	C891	C8010
Sheave, Inches	1x6x1¼	1x8x1¼	1x9x1¼	1x10x1¼
Shell, Inches	8	10	11	12
Diam. Pin, Inches	1	1¼	1¼	1¼
Weight, Each, Lbs.	15	26	30	36
Each	$5 75	7 25	8 00	9 50

YOUNGS TEAM BLOCKS

Adapted to wire rope up to ¾ inch diameter white metal plain bushed sheave, boiler plate steel shell, heavy machine steel swivel, hook and link, steel pin.

No.	26	28
Sheave, Inches	6x1¾	8x1¾
Shell, Inches	11	13
Diameter Pin, Inches	1	1¼
Weight, Each, Pounds	31	40
Each	$12 00	15 00

YOUNGS SNATCH BLOCKS



Has steel boiler plate sides, with heavy machine steel straps, hand forged machine steel hook with heavy machine steel swivel and yoke

Sheave is of Young's Special Process Semi-Steel (or White Metal), plain bushed, best quality tool steel axle pin.

Nos	108	109	110	112
Sheave, Inches	4 ½x1½	5x1½	5½x1¾	6x1¾
Shell, Inches	8	9	10	12
Wire Rope, Inches	⅝	⅝	¾	¾
Diameter Pin, Inches	¾	¾	1	
Weight Each, Pounds	14	16	21	25
Each	$5 10	6 60	8 10	8 20

YOUNGS RETURN LINE SNATCH BLOCKS

Adapted to wire rope up to ⅝ inch diameter, white metal plain bushed sheave, heavy boiler plate steel shell, heavy machine steel strap, lock hook, with swivel hook, steel pin.

No.	46	48
Sheave, Inches	6x1	8x1
Shell, Inches	10	13
Diameter Pin, Inches	1	1¼
Weight, Each, Pounds	15	18
Each	$5 25	9 00

STEEL SNATCH BLOCKS

No. 420
For Wire Rope

These blocks have great strength, though made with very thin body

Length of Shell, Inches	10	12½	14½
Diameter Sheave, Inches	6	8	10
For Wire Rope	⅝	½	⅝
Each	$11 00	14 00	16 00

SIDE HOOK STEEL SNATCH BLOCK

No. 821
For Wire Rope

Length Shell, Inches, 8; Diameter Sheave, Inches, 4½
For Wire Rope, Diameter ⅝ inch ..... Each $7 00

STEEL SNATCH BLOCK

No. 320 Snatch

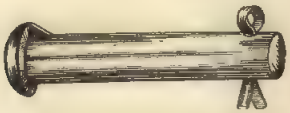
No. 320 MR

Length Shell Inches	For Manila Rope Diameter	Sheave Inches	Each
7	⅞ inch	3½x1¼x½	$5 50
8	1 inch	4½x1⅝x⅝	7 00
10	1¼ inch	5⅝x1⅞x¾	9 00

No. 320 WR

Length Shell Inches	For Wire Rope Diameter	Sheave Inches	Each
7	⅝ inch	3½x1¼x½	$5 50
8	⅞ inch	4½x1⅝x⅝	7 00
10	¾ inch	5⅝x1⅞x¾	9 00

CENTER PINS FOR SNATCH BLOCKS

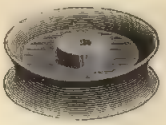


Made of Tool Steel Ground to Exact Size

For Blocks 320 and 321

Size Block	Each
7 inch	$0 25
8 inch	30
10 inch	35

MANILA ROPE SHEAVES



Made of Cast Iron, Bored

For Block No.	Size Inches	Diameter Inches	Hole Inches	Thickness Inches	For Rope Inches	Each
320MR	7	3½	½	1¼	⅝	$0 40
320MR	8	4½	⅝	1⅝	1	60
320MR	10	5¾	¾	1⅞	1¼	1 20

WIRE ROPE SHEAVES

Sheaves Made of Chilled Cast Steel Hole Trued and Reamed

For Block No.	Size Inches	Diameter Inches	Hole Inches	Thickness Inches	For Rope Inches	Each
320WR	7	3½	½	1¼	½	$0 40
320WR	8	4½	⅝	1⅝	⅝	50
320WR	10	5¾	¾	1⅞	¾	1 20
321	8	4½	⅞	1⅝	⅝	1 00
430	10	6	⅝	¾	⅞	1 75
430	12½	8	¾	1	½	2 65
430	14½	10	⅞	1	⅝	3 50

STEEL TACKLE BLOCKS

No. 223—Single

No. 224—Double

No. 225—Triple

Anchor Brand—Plain Bushed

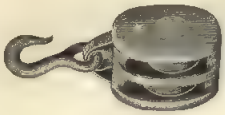
Forged steel hooks, straps, pins and shells. Straps extend full length of shell. Shells have rounded edges to protect rope.

Length Shell Inches	For Rope Diameter Inches	Size Sheave Inches	Single, Each	Double, Each	Triple, Each
3	⅜	1¾x ½x⅜	$0 70	$1 30	
4	½	2¼x ⅝x⅝	85	1 60	
5	⅝	3 x ¾x⅝	90	1 75	
6	¾	3½x1 x½	1 10	2 00	$2 90
7	⅞	4¼x1 x½	1 30	2 40	3 50
8	1	4¾x1⅛x⅝	1 65	2 85	4 45
10	1⅛	6¼x1¼x⅝	2 75	4 50	6 25

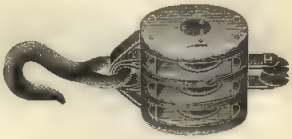
Sheaves are same sizes as used in regular wood shell blocks and are interchangeable

WOOD TACKLE BLOCKS

Single



Double



Triple

Length Shell, In.	For Rope Diam., In	Size Sheave Inches	Japanned Iron Straps, Iron Bushed Single, Each	Double, Each	Triple, Each	Japanned Iron Straps, Roller Bushed Single, Each	Double, Each	Triple, Each
3	⅜	1¾x ½x⅝	$0 70	$1 30	.....	$1 10	$2 00	.....
4	½	2¼x ⅝x¾	0 85	1 60	.....	1 20	2 25	.....
5	⅝	3 x ¾x⅞	0 90	1 75	.....	1 25	2 35	.....
6	¾	3½x1 x½	1 10	2 00	.....	1 50	2 85	.....
7	⅞	4⅛x1 x½	1 30	2 40	.....	1 70	3 35	.....
8	1	4¾x1½x⅝	1 65	2 85	$4 25	2 25	4 15	$6 00
10	1¼	6¼x1¼x⅝	2 75	4 50	6 25	3 50	6 00	8 50
12	1¼	8 x1⅝x¾	4 45	7 50	10 65	5 30	9 20	13 20

YALE & TOWNE DIFFERENTIAL BLOCKS

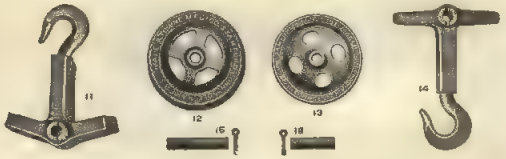
The Y. & T. Differential Block is a simple, cheap and safe type of chain block and has the fewest parts of any Block made. It handles heavy loads readily, and is sold at the lowest price possible for any reliable block. For use on farms and plantations, and for all ordinary hoisting purposes, this block will do the work of several men.

Capacity in Tons	Price Complete	*Hoist in Feet	†Extra Hoist per Foot	Min. Distance Between Hooks in Inches	Weight Pounds	‡Chain Pull Pounds	‡Chain Pull Feet
¾	$18 00	6	$2 80	17	22	72	18
⅛	21 00	7	2 80	21	22	122	24
1	28 00	8	3 00	26	51	216	30
1½	36 00	8½	3 20	32	81	246	36
2	45 00	9	3 40	39	122	308	42
3	60 00	9½	4 00	44	180	557	38

*Figures denote height in feet which blocks, with regular lengths of chain, will hoist above level on which operator stands.
†Each additional foot of hoist requires 4 feet of additional chain.
‡Figures denote the pull in pounds required to lift the full load and the number of feet of chain which must be handled to lift the load one foot

EXTRA PARTS FOR DIFFERENTIAL BLOCKS

When ordering give name and number of part and size of Block.



Capacity in tons		1-4	1-2	1	1½	2	3
No. 11. Top Yoke and Hook	Each	$3 00	$3 75	$4 50	$5 50	$7 50	$11 00
No 12. Top Sheave	Each	3 60	4 80	6 00	8 40	12 00	15 60
No. 13. Bottom Sheave	Each	0 90	1 30	1 50	1 90	2 25	3 75
No. 14. Bottom Yoke and Hook	Each	2 25	3 00	3 75	4 50	5 50	8 00
No. 15. Top Sheave Pin	Each	0 40	0 50	0 50	0 60	0 60	0 70
No. 16. Bottom Sheave Pin	Each	0 30	0 40	0 40	0 50	0 50	0 60
Regular Chain, Complete	Each	10 50	12 50	17 00	21 50	27 00	36 00
Regular Chain	Per Ft.	0 70	0 70	0 75	0 80	0 85	1 00

UPRIGHT DRILLS

Nos. 151, 152

The shaft and spindle are of steel, extra heavy, accurately machined and polished. The frame is strongly ribbed and will stand stresses far beyond the capacity given in table below.

Has round, slotted table, adjustable to any position—sideways, or up and down.

Shafts, spindles and gears are accurately fitted, and all bearings are bored and reamed in the solid metal of the frame, insuring a drill unsurpassed in easy, smooth operation, without lost motion.

Has Hand and Automatic Feed, the latter adjustable to three speeds.

Now fitted with the "Buffalo Improved" Chuck, in which the flat of the bit rests directly against a cross-pin, absolutely preventing slipping. Thus there is no stress on the set screw, which only serves to prevent bit from falling out.

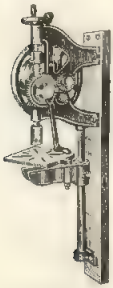
No bent or broken set screw with this arrangement, and nothing to catch your clothing, as chuck is countersunk for set screw head.

	Capacity—Holes up to	To Center of	Run of Feed	Run of Table	Chuck Bored for	Length over all	Weight Pounds	List Price
No. 151	1 -inch	12-inch circle	3-inch	9-inch	⅝-inch bit	32-inch	65	$38 50
No. 152	1¼-inch	14-inch circle	3-inch	12-inch	⅝-inch bit	38-inch	80	10 00

Above for Hand Use Only

BUFFALO BALL BEARING DRILLS

HAND AND POWER



Nos. 156, 156A

A heavy, powerful drill at low cost. Possesses the same high standard of quality which distinguishes "Buffalo" machines.

The adjustable table allows of quick and easy adjustment at any place between the spindle and a point fifteen inches below.

Two speeds. Change of speed is quickly and easily made by changing crank from front to rear gear, or vice versa. Triple drive gears. The crank turns forward on both speeds.

Two feeds. Hand and automatic. Hand feed is conveniently located at the top of the feed-screw head within easy reach of the operator.

Automatic feed is adjustable to three speeds by turning a small adjustment screw, located on the right side of frame, just above the drive gear.

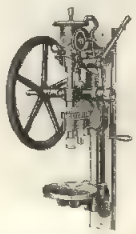
Will satisfactorily handle any work to its full capacity.

No. 156. 1½-inch capacity, length 52 inches, weight 175 pounds ..... Each $20 00

No. 156A. 1½-inch capacity, length 52 inches, weight 190 pounds ..... Each 24 00

No. 156A for Hand and Power

SELF AND LEVER FEED POWER



No. 218

Built with double back gears which can be changed from a fast to a slow speed and vice versa by simply sliding the collar. The combination Automatic Self feed and Lever-feed practically eliminates all labor by its method of raising the drill bit out of the drilled hole and replacing it in position for drilling the next hole. This instantaneous method of raising the drill-bit applies to both the Self-feed and the Lever-feed, even though they are independent of each other.

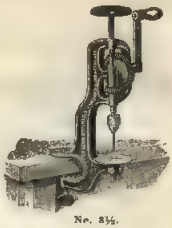
Suregrip Chuck. The drill bit is fastened or released by hand.

No. 218. 1½-inch capacity, ⅝-inch chuck, 4-inch feed, 10-inch table run, pulley 8x3 inches, weight 260 pounds ..... Each $34 00

BENCH DRILLS

No. 210.

No **210.** Instantly changeable speed, 1½ to 1 and 4 to 1; hand feed; adjustable crank, extensible from 3 to 6 in. in radius; table with swivel arm, may be raised within range of 3 in.; chuck of Star pattern, holding round shank from 0 to ½ in., and jaws operated by springs that are protected from injury and will not get out of order; height over all 24 in.; maximum distance from chuck to table 9 in... Each $9 25



No. 8½.

No **8½.** Solid iron frame, cut gears, steel feed screw, adjustable table, three jawed chuck with capacity of ¼ in., height from table to feed wheel 13 in., with vise ..... Each $6 50

No. 1003

YANKEE BENCH DRILL.

No **1003.** Single speed, equipped with 3 jawed chuck holding round shank drills from 0 to ¼ in. diameter; has automatic feed; ball bearing, reversible Bracket base at bottom has vertical adjustment. Frame finished in dead black color. Total height of drill 18¾ in. ..... Each $9 00

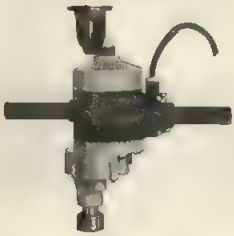
YANKEE BENCH DRILL.

No. **1005.** Has two speeds, automatic feed, 3 jawed chuck taking drills from 0 to ½ in. inclusive; ball bearing; reversible. Total height of drill 28 in. Each $14 00

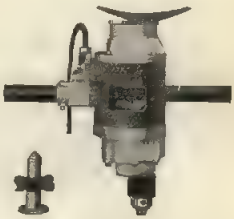
No. 1005.

ELECTRIC DRILLS

No. DA-00—DA00X.



No. DA-0.



No. DA-1.

VAN DORN ELECTRIC "HARD SERVICE" DRILLS

This line of Electric Drills is the product of a firm specializing in small electric tools. They represent the most modern and approved type of high speed tool. Only the best materials are utilized in their manufacture.

These machines are as light in weight as is possible to produce, body made of aluminum, without sacrificing strength.

The design and manufacture of this line is in the hands of skilled machinists backed with the highest type of precision machinery. They are durable and efficient and will give perfect satisfaction.

Our entire line of Electric Drills are universal wound. Operate on "A. C." or "D. C." service.

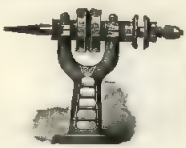
No.	Speed R.P.M.	Drill Capacity	Weight, Lbs	Chuck	Length Connection	Socket	Each
DA-00	1450	1– 4	8	Jacobs 00	10 ft.	Edison Fused	$80 00
DA-00X	1450	5–16	9½	Jacobs 0	10 ft.	Edison Fused	90 00
DA- 0	900	3– 8	13	Jacobs 0	10 ft.	Edison Fused	100 00
DA- 0X	700	1– 2	12	Jacobs 1	10 ft.	Edison Fused	105 00
DA- 1	500	1– 2	17½	Jacobs 1	12 ft.	Edison Fused	130 00
DA- 1X	500	5– 8	18½	Jacobs 2	15 ft.	Edison Fused	140 00
DA- 2	700	7– 8	38	Morse Taper Socket 2	20 ft.	Edison Fused	180 00

Extra Fuses for any of above..... $0 40

110 Volt carried in stock. 220 Volt from Factory only.

POLISHING HEADS

Nos. 21 and 22.



Nos. 23 and 24

Solid iron frame, steel spindles, adjustable brass boxes and screws, taper screws at each end, threaded, with grooved pulley for ¼ in. round belt.

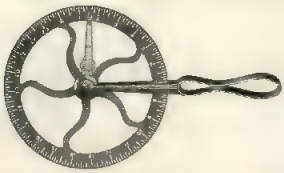
No. **21.** 6 in. high, spindle ⅝x8 in., space between flanges ¾ in., pulley 1⅞ in. diameter ..... Each $2 25

No. **22.** 6½ in. high, spindle ½x10 in., space between flanges ⅞ in., pulley 2¼ in. diameter..... Each 3 75

No. **23.** Same as No. 21, except that it is fitted with a three jaw chuck, cap 0 to 5-32 in.. ..... Each 3 75

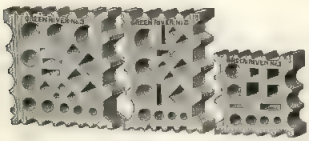
No. **24.** Same as No. 22, except that it is fitted with a three jaw chuck, cap 0 to ¼ in.. ..... Each 6 00

TIRE MEASURING WHEELS



Accurately graduated, with index hand, raised figures.
Tire Measuring Wheel, 24 inch circle ..... Each $1 50

SWAGE BLOCKS



No.		Per Lb.
1.	18x18x5 inches, approximate weight 310 pounds.....	$0 10
2.	16x16x4¼ inches, approximate weight 180 pounds	0 10
3.	12x12x4 inches, approximate weight 100 pounds...	0 10

YANKEE DRILL VISE

No. 1993.

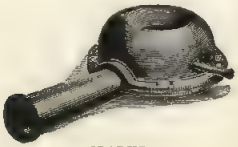
"Yankee" Vise mounted on swivel base for use on bench, and its upper part (No. 993) quickly detachable for use on drill press, shaper, etc., and putting back again on swivel base.

No. **990.** Vise only, small size ..... Each $2 00
No. **993.** Vise only, large size ..... Each 4 50
No. **1993.** Vise and adjustable base ..... Each 6 00

BLACKSMITHS CONES OR MANDRELS

No.		Per Lb.
1.	Diameter top 3¾ inches, approximate bottom 17⅝ inches, weight 255 pounds.....	$0 10
2.	Diameter top 2¼ inches, approximate bottom 13 inches, weight 150 pounds.....	0 10

TUYERE IRONS



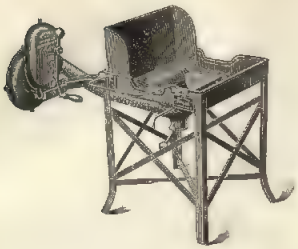
CLARKS

No. **2.** With ball valves, weight 20 pounds. ..... Each $3 50

DUCK NEST

No. **5.** Weight 12 pounds. ..... Each $1 50

BUFFALO FORGES AND BLOWERS



No. 600

CONTRACTOR AND RAILROAD FORGE

This forge is used extensively by contractors, railroads, street car lines, tank and boiler makers, bridge builders, miners and shipbuilders, for outdoor use. Being of steel plate construction, it combines lightness with the greatest strength The fire pan is strongly reinforced with angle steel around the edges, and the legs, also made of angle steel, are rigidly cross-braced with bar steel The blower is the 11 inch "Buffalo No 200 Silent" with heavy-duty "Vulcan" tuyere iron. Positive control of the fire is afforded by the eccentric tuyere valve, which gives the greatest spread of blast, or concentration at any point, as desired. Fitted with hinged and balanced Ash Gate, which opens and closes by a touch of the foot. It needs no attention whatever

The blower and windshield can be quickly detached and packed in the fire pan for transportation.

Hearth 24x24 Inches, Diameter Fan 12 Inches

No 600. With Water Tank, Weight 210 Pounds ... Each $50 00

BUFFALO POWER BLOWER OR EXHAUSTER

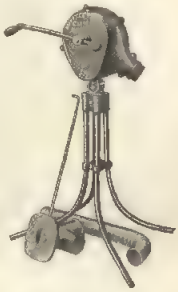
The above may be used either as a blower or exhauster. Operate noiselessly and are for light pressure

No. 00. 11 inches high, will blow one fire, weight 20 pounds ..... Each $ 8 00

No. 0. 15 inches high, will blow two fires, weight 30 pounds ..... Each 10 00

BUFFALO BALL BEARING BLOWER

No. 206. Patent direct drive, high speed spiral gearing, whirlwind blast anti clinker tuyere iron and piping complete, all working parts are made from the best tool steel and phosphor bronze enclosed in an oil tight casing fan 12 inches diameter, weight 150 pounds ..... Each $25 00



CLIMAX BLOWER

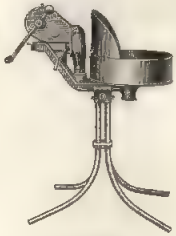
The gears of the Climax blower are machine cut and consist of two spur gear wheels and two helical gear wheels properly proportioned to produce several thousand revolutions per minute of the fan with the crank being turned at a very moderate speed. The gear and fan case are fitted together, forming a compact, light and strong head The fan case is 12 inches in diameter and is pear-shaped, so that the crank can be turned forward or backward with equally good results. The high-speed fan pinion runs in a bath of oil, lubricating all other working parts by splashing. Furnished complete with tuyere and pipe, as shown in engraving. Diameter of fan, 12 inches.

Climax. Weight 110 pounds ..... Each $27 00

BUFFALO FORGES AND BLOWERS

No. 150

No. 151



No. 260

No. 7

For Light Repair Work, Etc.

Hearth 18 Inches Diameter, Fan 8 Inches Diameter

No **150.** With Shield, Weight 75 Pounds .....Each $9 00

No. **151.** With Hood, Weight 80 Pounds Each 11 00

No **260.** High speed spiral gearings, ball-bearing, produces heat to weld 4 in. iron, hearth 18 in. diam., height 30 in., fan 9¾ in., weight 115 pounds..... .Each $23 00

No. **7.** Bench Forge with shield, hearth 14x17 in., fan 17 in., weight 45 pounds, will produce a welding heat on 1 in. iron in ten minutes ....Each 9 00

No. 54

No. 626

GARAGE

This Forge is designed to fill the needs of the mechanic who desires an up-to-date forge, fitted with crank operated blower instead of the lever type, and having enclosed instead of open gears. This requirement is met by the combination of the "Buffalo" Climax Blower and a large cast iron fire pan with modern pot tuyere iron having a revolving clinker-breaking valve and automatic ash gate. It is a better forge than ever before offered at the price.

Hearth 23x35 Inches, Fan 12 Inches Diameter

No. **54.** With Water Tank, Weight 180 Pound.....Each $44 00

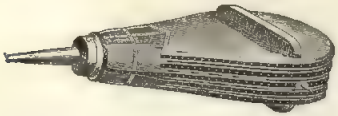
MANUAL TRAINING AND INDOOR

This forge is specially adapted for all kinds of indoor riveting, tempering, bicycle and auto repairing, etc. The ease and rapidity with which it can be taken down and assembled, and the small space it occupies knocked down, make it a particularly desirable forge to move from place to place. Used by nearly all schools in the Northwest, but is adapted to any use where one desires an efficient, hot fire. High speed gears. Silent blower. Heavy rolled steel pan. Distributed blast.

Fire Pan 18 Inch, Fan 12 Inch

No. **626.** Fully Equipped, Weight 120 Pounds..... Each $38 00

BLACKSMITHS BELLOWS

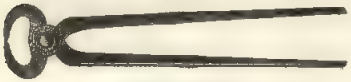


Hardwood outside boards, cross cleated, steel cap and funnel and cowhide split leather.

Length, Inches	20	22	24	26	28
Weight, Pounds	20	25	30	35	40
Each	$10 00	10 00	10 00	11 00	12 00

Length, Inches	30	32	34	36	38	40
Weight, Pounds	45	50	60	70	80	90
Each	$13 00	14 00	16 00	18 00	20 00	23 00

BLACKSMITHS PINCERS



HELLER BROS.

All steel, polished jaws.

No.	20
Length, Inches	14
Per Doz.	$24 00

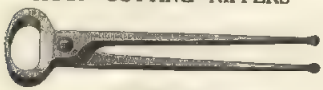
VAUGHAN & BUSHNELL

Solid steel, oil finish, polished jaws.

No.	12	14
Length, Inches	12	14
Per Doz.	$16 00	18 00

One-Half Dozen in a Box

HOOF CUTTING NIPPERS



HELLER BROS.

Extra cast steel, full polished.

No.	24A	24
Length, Inches	12	14
Per Doz.	$24 00	28 80

One Half Dozen in a Box

HOOF PARERS

HELLER BROS.

Solid cast steel, full polished.

No **22.** Length 14 inches Per Doz. $28 80

MOLDERS' AND HAND BELLOWS

MOLDERS

Width, Inches	10	12
Per Doz.	$30 00	35 00

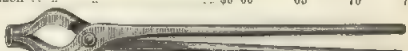
HAND

Width, Inches	8	10
Per Doz.	$16 00	20 00

BLACKSMITH TONGS

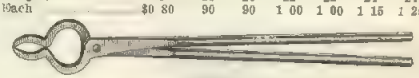
STRAIGHT LIP.

No.	60	62	64	66
Length, In.	18	20	22	24
Each	$0 60	65	70	75



BOLT.

Holds Iron	¼	⅜	½	⅝	¾	⅞	1
Length, In.	18	20	20	22	22	24	24
Each	$0 80	90	90	1 00	1 00	1 15	1 25



PICK UP.

For Picking Up Hot Irons.

No	90
Length, In	24
Each	$1 50

FLAT NOSE GAD.

No	86
Length, In.	22
Each	$1 25

PICK

For holding miners' picks to sharpen.

No	50
Length, Inches	22
Each	$1 75

HORSESHOERS

Recessed jaws for forging.

No.	40
Length, Inches	14
Each	$0 75

FARRIERS KNIVES

Heller Bros.

No. **51.** ⅝-¾ inch blades ..... Per Doz. $7 00
One Half Dozen in a Package

BOLT CLIPPERS

Nos. 10 and 14

Nos. 0, 1, 2, 3

NEW EASY.
Made of Best Materials and Perfectly Adjusted.

No.	Cuts Bolts	Length, In.	Weight, Lbs.	Each
10	3–16	10	1½	$2 00
14	1– 4	14	2¼	2 25
0	5–16	18	3	3 75
1	3– 8	24	4¼	5 00
2	1– 2	30	7½	7 00
3	5– 8	36	12½	9 00

EXTRA CUTTERS.

For Bolt Clipper No.	**10**	**14**	**0**	**1**	**2**	**3**
Per Pair	$0 85	0 90	1 00	1 25	1 75	2 25

ANVIL HARDIES

No. **1810**—Hardie

No. **1810.** Sizes ½, ⅝, ¾, ⅞, 1 and 1¼ In. Wide Per Lb. $0 20
In ordering Anvil Hardies always specify Size of Hole in Anvil

ROUND EYE PUNCH

No. **1270** Punch

No. **1270.** Sizes ¼, ⅜, ½, ⅝, ¾, ⅞ In.... Per Lb. $0 20

FLATTERS

No **1230** Flatter.

SET HAMMERS

No. **1250.** Set Hammer.

No. **1230.** Flatter, Sizes 2, 2½, 3, 3½ and 4 In. ...Per Lb. $0 20
No **1250.** Set Hammer, Sizes 1¼ and 1½ In.... Per Lb. 20

BLACKSMITH SWAGES

No. **1190.** Top Swage.

No. **1200** Bottom Swage.

BLACKSMITH FULLERS

No. **1210** Top Fuller.

No. **1220.** Bottom Fuller.

BLACKSMITH CHISELS

No. **1290.** Cold Eye Chisel.

No. **1300.** Hot Eye Chisel.

No. **1190.** Top Swage, Sizes ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, and 1½ In..... Per Lb. $0 20

No. **1200.** Bottom Swage, Sizes ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ In..... Per Lb. 20

In ordering Bottom Swages or Fullers, always specify Size of Shank or Anvil Hole

No. **1210.** Top Fuller, Sizes ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ In..... Per Lb. 42

No. **1220.** Bottom Fuller, Sizes ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼ and 1½ In..... Per Lb. 42

No. **1290.** Cold Eye Chisels, Sizes 1¼, 1⅜ and 1½ In. Per Lb. 20

No **1300.** Hot Eye Chisels, Sizes 1¼, 1⅜ and 1½ In Per Lb. 20

ANVILS

HAY-BUDDEN.

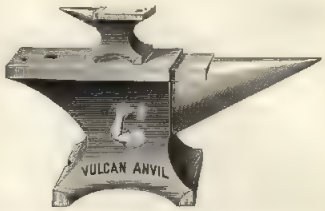
Made from best American wrought iron and faced with the best crucible cast steel. Top and bottom are each one solid piece and welded at the waist. The steel faces are put on in one solid piece.

Base Sizes, 80 to 425 Pounds.....Per Lb. Base $16 00

Advances Over Base Size.

20 to 29 Pounds	Advance Per Lb.	8	Cents
30 to 39 Pounds	Advance Per Lb.	5	Cents
40 to 49 Pounds	Advance Per Lb.	3	Cents
50 to 59 Pounds	Advance Per Lb.	2	Cents
60 to 69 Pounds	Advance Per Lb.	1	Cent
70 to 79 Pounds	Advance Per Lb.	½	Cent
426 to 625 Pounds	Advance Per Lb.	⅛	Cent
626 to 800 Pounds	Advance Per Lb.	1	Cent

Carried in Stock from 40 to 250 Pounds.

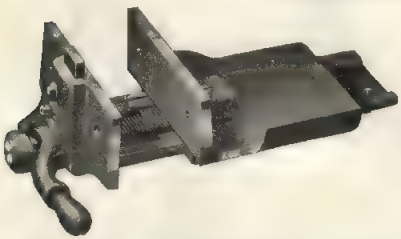


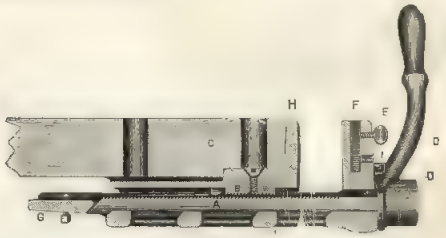
VULCAN.

Face is one solid piece of tool steel, thoroughly welded to the body of the anvil. It is then accurately ground and tempered. The body is made of superior pig iron, being much more solid than wrought iron.

No.	Weight, Lbs.	Each
2	20	$4 00
3	30	4 50
4	40	5 25
5	50	6 00
6	60	6 50
7	70	7 25
8	80	8 00
9	90	9 00
10	100	10 00

SHELDON RAPID-ACTING VISE

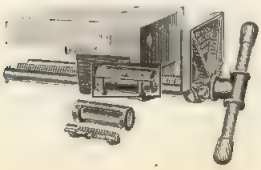




A. Forged Steel Rack, accurately milled. **B.**—Steel section engaging fourteen milled teeth in rack. **C.**—Cardboard adjusting washer, affording a simple indestructible means of adjustment for wear and thrust between rack and engaging section. Retaining Screw easily accessible through hole for dog in Bench Top. **D. D.** Unbreakable malleable cam and handle. **E.**—Forged Steel Pin. **F.**—Dog held in position by spring. **G.**—Stop screw to prevent sliding jaw from pulling out. **H.** and **I.**—Stationary and outer jaw showing their unusual strength and rigidity.

Sheldon's Rapid Acting Vise No. 3. Opens 8½ In., Jaws 3x7½ In., Wt. 27 Lbs. Each $6 00

WILCOX IMPROVED RAPID-ACTING VISE



This vise is operated by new type of jam nut. This nut consists of two pieces, is simple and effective. Vise is adjusted instantly and instantly released. Nut operates its entire length. When pressure is applied vise is locked rigidly. Guides are of cold rolled steel. Jaws are of best gray ribbed iron. No. triggers or pawls to break. Jaws 7 inches wide, 4 inches deep, 1 inch screw

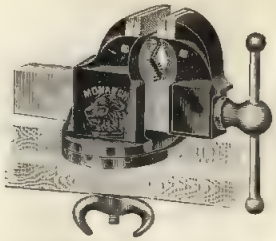
No. **430.** Wt. 29½ Lbs. .....Each $5 75

COMBINATION PIPE VISES

PARKER SWIVEL BOTTOM.

Steel faces milled and fitted to jaws.

No.	Holds Pipe	Jaws	Weight	Each
87	Up to 2 In.	3⅝ In.	41 Lbs.	$16 00
88	Up to 3 In	4⅛ In	59 Lbs.	22 00



MONARCH SWIVEL BOTTOM.

Steel faces milled and fitted to jaws.

No.	Holds Pipe	Jaws	Weight	Each
401	⅛ to 2½ In.	3½ In.	44 Lbs.	$16 00
402	⅛ to 3 In.	4⅛ In.	65 Lbs.	22 00
408	⅛ to 4 In.	5 In.	110 Lbs.	32 00

ARMSTRONG PIPE VISES

Has tool steel jaws which mesh together, giving a firm grip to either pipe or rods. Clutch is easily released, opening up to size as indicated.

No.	Takes Pipe	Weight	Each
0	⅛ to 2⅛ In.	11 Lbs.	$3 00
1	⅛ to 2½ In.	16 Lbs.	4 56
2	⅛ to 4½ In.	30 Lbs.	6 50

BLACKSMITHS SOLID BOX VISE

Wrought Iron, Steel Faced Jaws.

No.	Jaws	Weight	Each
35	3¾	35 Lbs.	$10 00
40	4	40 Lbs.	10 50
45	4¼	45 Lbs.	11 00
50	4½	50 Lbs.	11 50
55	4¾	55 Lbs.	12 00
60	5	60 Lbs.	13 00
65	5	65 Lbs.	14 00
70	5¼	70 Lbs	15 00
80	5½	80 Lbs	17 50
90	5⅝	90 Lbs	20 00
100	6	100 Lbs.	22 00
120	6½	120 Lbs.	26 00
140	7	140 Lbs	34 00

VULCAN CHAIN PIPE VISES

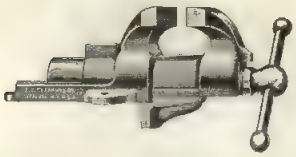
Wrought steel frame; drop forged saw-tempered jaws; hand made chains; can be carried in hand or tool bag; all parts are interchangeable

No **1.** Capacity pipe ⅛ to 2 inches; weight 4 pounds each..... Each $3 50
No **2.** Capacity pipe ¼ to 4 inches; weight 10 pounds each ..... Each 6 50

EXTRA JAWS

For No. **1.** Per Pair. $1 20
For No. **2.** Per Pair 2 75

OVAL SLIDE VISES



Stationary Bottom, Steel Faced Jaw.

No.	Width Jaw	Opens	Weight	Each
00	2 In.	3 In.	8 Lbs.	$2 90
0	2½ In.	3½ In.	9 Lbs.	3 00
1	3 In.	4½ In.	13 Lbs.	3 60
2	3½ In	5⅝ In.	22 Lbs.	4 75

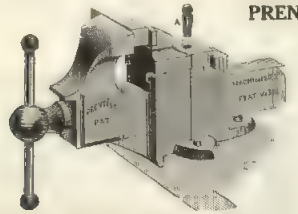
DIAMOND ANVIL AND VISE

No. 120. No. 130.

Will hold pipe up to 2 in., face 3x7 in. (not including horn), chilled, ground and polished; by moving the jaw back to the last notch, the jaw will open 12 in.

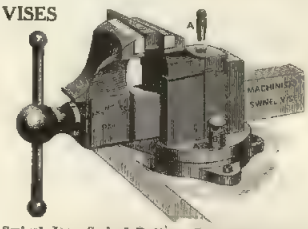
No. 120.	Without Drilling Attachment, Wt. 38 Lbs.. Each	$6 00
No. 130.	With Drilling Attachment, Wt. 51 Lbs. ...Each	8 00

PRENTISS BENCH VISES



Swivel Jaw, Stationary Bottom, Steel Faced Jaws.

No	Width Jaw	Opens	Weight	Each
2	3½ In.	4¾ In.	28 Lbs.	$9 00
2½	4 In.	5¼ In	41 Lbs.	11 00



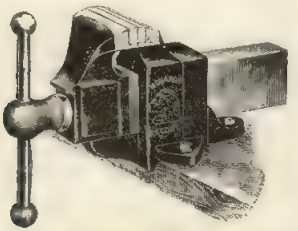
Swivel Jaw, Swivel Bottom, Steel Faced Jaws.

No.	Width Jaw	Opens	Weight	Each
18	2⅝ In	3½ In.	17 Lbs.	$9 00
19	3½ In.	4¾ In.	32 Lbs.	11 00
19½	4 In.	5¼ In.	46 Lbs.	12 50
20	4½ In.	6 In.	65 Lbs.	15 00
21	5¼ In.	8 In.	109 Lbs.	22 00
22	6 In.	9 In.	163 Lbs.	31 50

Extra Jaws for Prentiss Bench Vises.

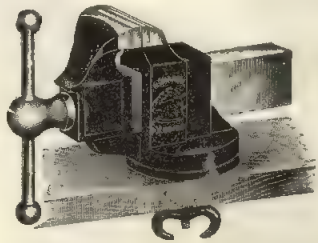
Vise No.	2	2½	18	19	19½	20	21	22
Front, Each	$2 60	4 10	1 90	2 60	4 10	4 90	8 25	11 25
Back, Each	2 60	3 00	1 90	2 60	3 00	3 40	5 25	9 00

MONARCH BENCH VISES



Parallel Jaws, Stationary Bottom, Steel Faced Jaws.

No	Width Jaw	Opens	Weight	Each
213	2½ In.	4 In.	22 Lbs.	$6 00
215	4 In.	5½ In.	28 Lbs.	7 00
217	4½ In	6 In.	42 Lbs	8 50
219	5 In	7 In	52 Lbs.	10 00
221	5½ In.	8 In.	72 Lbs.	13 00
223	6 In.	9 In	100 Lbs	18 50



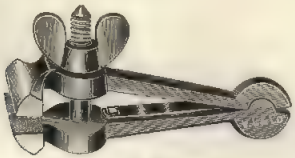
Parallel Jaws, Swivel Bottom, Steel Faced Jaws.

No.	Width Jaw	Opens	Weight	Each
214.	3½ In.	4 In.	28 Lbs.	$7 50
216	4 In.	5½ In.	36 Lbs.	8 75
218	4½ In.	6 In.	52 Lbs.	10 50
220	5 In.	7 In.	64 Lbs.	12 50
222	5½ In.	8 In.	85 Lbs.	14 50
224	6 In.	9 In.	115 Lbs.	18 00

HAND VISES

Has 3 jawed chuck holding from 0 to 5-32. Polished hardwood handle.

No. **104.** Hand or Pin Vise. .... Each $1 00
One-Twelfth Dozen in a Box



No. 638

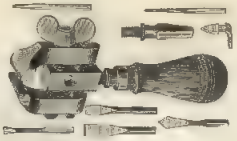
Bright steel jaws.

Length, Inches	4	6
Per Doz.	$9 00	15 00

STEWART HANDY WORKER

A strong and powerful steel faced vise, up to 4½ inches. Width of jaw, 4 inches. Cutting hardie. Steel pipe vise takes up to 1½ inch pipe. Drill press which may be operated at two speeds. Strong, substantial anvil. Corundum grinding wheel, 5 inches x 1 inch. Three speeds: direct, 4 to 1 and 16 to 1.

Size, boxed, 28x13x7 inches; weight, boxed for shipment 95 pounds ..... Each $15 00



ALFORD VISE AND TOOLS.

Steel screws and cross bars, cocobola handle. Contains tools as shown.

No. **1.** 1¼ In. Jaws, opens 1½ In., Length 7 In.. Per Doz. $24 00
One Half Dozen in a Box.

No. 663

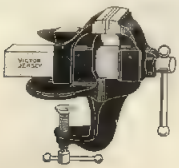
Handled. Extra quality cast steel, polished jaws.

Length, Inches	4½
Per Doz.	$12 50

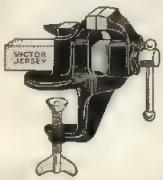
SHEPARD.

Wrought steel sliding bars, screws and levers, hardened jaws and checked

No. **152.** Jaws 1½ In., Opens 1½ In., Wt. 1½ Lbs. Each $0 45
No. **153.** Jaws 1¾ In., Opens 1¾ In., Wt. 2½ Lbs. Each 0 90



No. 741.



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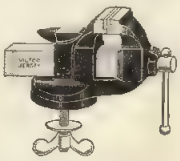


No. 772.

Clamp Base, Plain Iron Jaws.

No.	Width Jaw	Opens	Weight	Each
741	1½ In.	1¼ In.	3 Lbs.	$1 25
742	1⅝ In.	1½ In.	3¼ Lbs.	1 50
743	2 In.	2 In.	3½ Lbs.	2 00
744	2¼ In.	2½ In.	4 Lbs.	2 50
745	2½ In.	2¾ In.	5 Lbs.	3 00
746	3 In.	4½ In.	8¾ Lbs.	3 50

Clamp Base, Hardened Tool Steel Jaws.

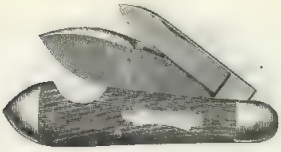
No.	Width Jaw	Opens	Weight	Each
761	1½ In	1½ In.	3 Lbs.	$1 75
763	2 In.	2 In.	3½ Lbs.	2 50

Swivel Base, Hardened Tool Steel Jaws.

No.	Width Jaw	Opens	Weight	Each
772	1¾ In.	1¾ In.	3 Lbs.	$2 50

POCKET KNIVES

RIVERSIDE



No. 928

Cocobolo handle, easy opener, 3½ in. brass lined, nickel silver bolsters, two blades

No.	Per doz.
928	$8.00

No. 229

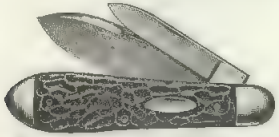
Stag handle, easy opener, 3½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz
229	$8.00

No. 2231

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

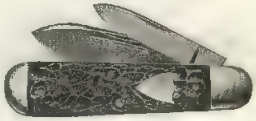
No	Per doz.
2231	$7.00



No. 227

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No	Per doz
227	$7.50



No. 2242

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2242	$7.50

No. 2216

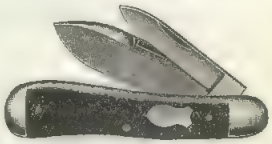
Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No	Per doz.
2216	$7.50

No. 9250

Cocobolo handle, 3½ in. brass lined, nickel silver bolsters, two blades

No.	Per doz.
9250	$8.00



No 7250

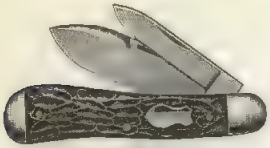
Ebony handle, 3½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
7250	$8.00

One half dozen in a box

POCKET KNIVES

RIVERSIDE



No. 2252

Stag handle, 3.. in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2252	$8.00

No. 2233

Stag handle, 3½ in. brass lined, nickel silver bolsters, two blades.

No	Per doz.
2233	$8.00

No. 2237

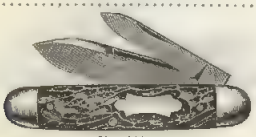
Stag handle, 3½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2237	$8.00

No. 2238

Stag handle, 3½ in brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2238	$8.00



No 2235

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No	Per doz.
2235	$8.00

No. 2236

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2236	$8.00

No. 4216

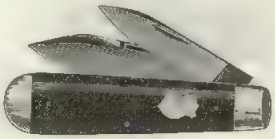
Emerald Pyralin handle, 3⅜ in. brass lined, half polished, polished steel bolsters, two blades.

No	Per doz
1216	$8.00

No. 4215

Gold Pyralin handle, 3⅜ in. brass lined, half polished, polished steel bolsters, two blades.

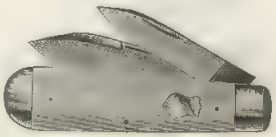
No.	Per doz.
4215	$8.00



No. 7214

Black Pyralin handle, 3⅜ in. brass lined, half polished, polished steel bolster, two blades.

No.	Per doz.
7214	$8.00



No. 4213

Pearl ivory Pyralin handle, 3⅜ in. brass lined, half polished, polished steel bolster, two blades.

No	Per doz.
1213	$8.00

One half dozen in a box

POCKET KNIVES

RIVERSIDE

No. 2214

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two bolsters, two blades.

No.	Per doz.
2214	$9.00

No. 4214

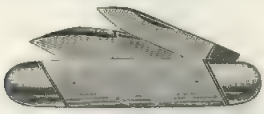
Horn Pyralin handle, 3 ⅜ in. half polished, polished steel bolsters, two blades.

No.	Per doz.
1214	$9.00

No. 4253

Gold Pyralin handle, 3 ¾ in. brass lined, half polished, diagonal nickel silver bolsters, two blades.

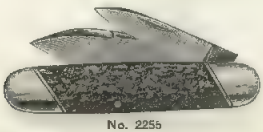
No.	Per doz.
4253	$9.00



No. 4254

Pearl Pyralin handle, 3 ¾ in. brass lined, half polished, diagonal nickel silver bolsters, two blades

No.	Per doz.
4254	$9.00



No. 2255

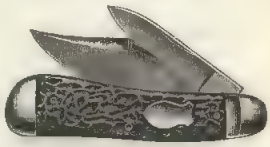
Stag handle, 3 ⅜ in. brass lined, half polished, diagonal nickel silver bolsters, two blades.

No.	Per doz.
2255	$9.00

No. 2230

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

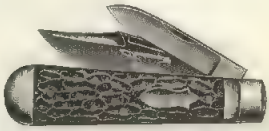
No.	Per doz.
2230	$9.00



No. 2246

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

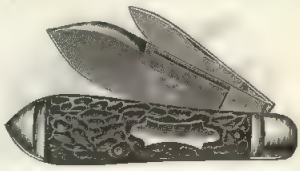
No.	Per doz.
2246	$9.00



No. 2232

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

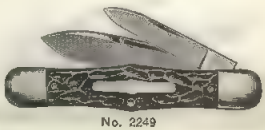
No.	Per doz.
2232	$9.00



No. 2241

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2241	$9.00



No. 2249

Stag handle, 3 ¼ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2249	$9.00

One half dozen in a box

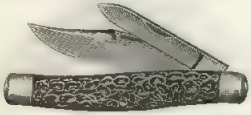
POCKET KNIVES

RIVERSIDE

NOS. 4255, 4256 AND 4257

3 ¼ in. brass lined, nickel silver bolsters, two blades.

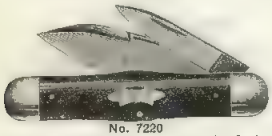
No.		Per doz.
4255	White shell handle	$9.00
4256	Green shell handle	9.00
4257	New shell handle	9.00



No. 2239

Stag handle, 3 ¼ in. brass lined, nickel silver bolsters, two blades.

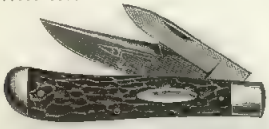
No.		Per doz.
2239		$9.00



No. 7220

Black Pyralin handle, 3 ⅜ in. brass lined, half polished, nickel silver bolsters, two blades.

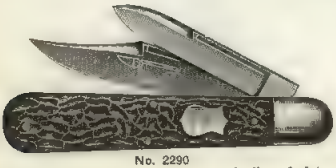
No.		Per doz.
7220		$9.50



No. 2240

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

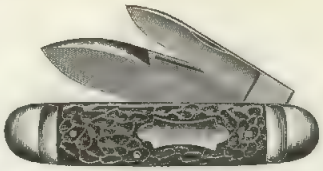
No.		Per doz.
2240		$9.00
	Swedged blade, otherwise same as No. 2240	
2254		$12.00



No. 2290

Stag handle, 4 ½ in. brass lined, nickel silver bolsters, two blades.

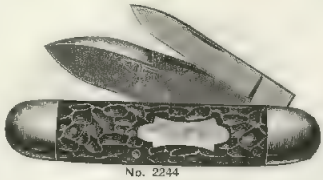
No.		Per doz.
2290		$10.00



No. 2245

Stag handle, 4 ½ in. brass lined, nickel silver bolsters, two blades.

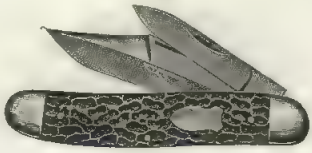
No.		Per doz.
2245		$11.00



No. 2244

Stag handle, 4 in. brass lined, nickel silver bolsters, two blades.

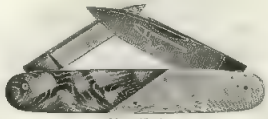
No.		Per doz.
2244		$12.00



No. 2253

Stag handle, 4 in. brass lining, nickel silver bolsters, two blades.

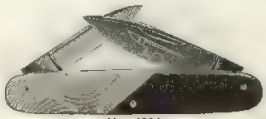
No.		Per doz.
2253		$13.00



No. 4201

Oval Domino Pyralin handle, in pearl ivory and emerald, 3 ¼ in. brass lined, half polished, two blades.

No.		Per doz.
4201		$8.00



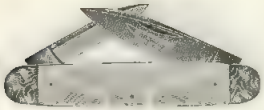
No. 4204

Oval Domino Pyralin handle, in pearl ivory and black, 3 ¼ in. brass lined, half polished, two blades.

No.		Per doz.
4204		$8.00

POCKET KNIVES

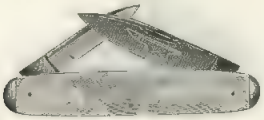
RIVERSIDE



No. 4203

Oval Pyralin handle, in pearl ivory with emerald Pyralin bolsters, 3 ¼ in. brass lined, half polished, two blades.

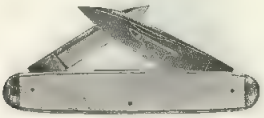
No.	Per doz.
4203	$8.00



No. 4202

Oval Pyralin handle, in pearl ivory with gold pearl tips, 3 ¼ in. brass lined, half polished, two blades

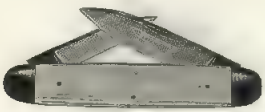
No.	Per doz.
4202	$8.00



No. 4206

Flat Pyralin handle, in pearl ivory with emerald tips, 3 ¼ in. brass lined, half polished, two blades.

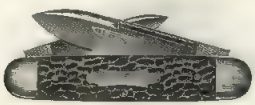
No.	Per doz.
4206	$8.00



No 4205

Oval Pyralin handle, in pearl ivory with black Pyralin bolsters, 3 ¼ in. brass lined, half polished, two blades.

No.	Per doz.
4205	$8.00



No. 2234

Stag handle, 3 ¼ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2234	$8.00

No. 2243

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2243	$9.00

No. 4258

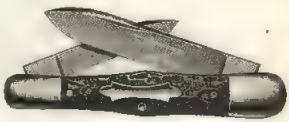
Horn handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
4258	$9.00

No. 2259

Stag handle, 3 ¼ in. brass lined, nickel silver bolsters, two blades.

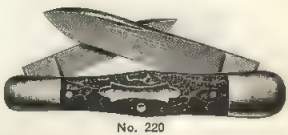
No.	Per doz.
2259	$9.00



No. 2247

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2247	$9.00



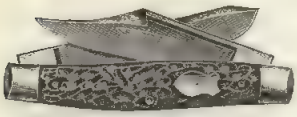
No. 220

Stag handle, 3 ½ in. brass lined, nickel silver bolsters, two blades, clip blade instead of spear blade as shown in cut.

No.	Per doz.
220	$10.00

POCKET KNIVES

RIVERSIDE



No. 2248

Stag handle, 4 in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
2248	$11.00

No. 2260

Stag handle, 3 in. brass lined, nickel silver tipped, two blades.

No.	Per doz.
2260	$8.00

No. 4261

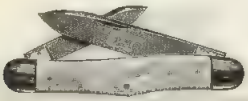
3 in. brass lined, nickel silver tipped, two blades.

No.		Per doz.
4261	Ivory handle	$9.00
4262	Horn handle	9.00

No. 3293

Pearl handle, 3 in. brass lined, nickel silver band, two blades.

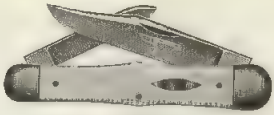
No.	Per doz.
3293	$16.00



No. 3294

Pearl handle, 3¼ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
3294	$18.00



No. 3295

Pearl handle, 3½ in brass lined, nickel silver bolsters, two blades.

No	Per doz.
3295	$19.00

No. 2310

Stag handle, 3¼ in. brass lined, nickel silver bolsters, three blades.

No.	Per doz.
2310	$12.00

No. 2311

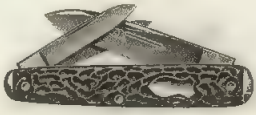
Stag handle, 3¼ in. brass lined, nickel silver bolsters, three blades.

No	Per doz.
2311	$12.00

No. 2312

Stag handle, 3½ in. brass lined, nickel silver bolsters, three blades.

No.	Per doz.
2312	$12.00



No. 2313

Stag handle, 3¼ in. brass lined, nickel silver tipped, three blades.

No.	Per doz.
2313	$12.00

One half dozen in a box

POCKET KNIVES

RIVERSIDE

No. 2309

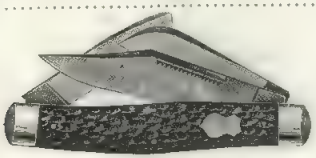
Stag handle, 3¼ in. brass lined, nickel silver tipped, three blades.

No.	Per doz.
2309	$12.00

No. 2363

Stag handle, 3⅛ in. brass lined, nickel silver bolsters, three blades.

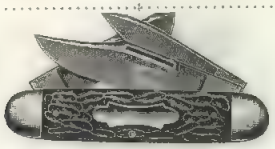
No	Per doz.
2363	$12.00



No 2376

Stag handle, 3⅞ in. brass lined, glazed and etched polished steel bolsters.

No.	Per doz.
2376	$13.00



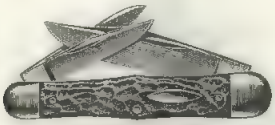
NOS. 2380 AND 2383

Stag handle, 3¼ in. brass lined, nickel silver bolsters, three blades.

No	Per doz
2380	$13.00

3⅝ in., otherwise same as No. 2380.

No	Per doz.
2383	$16.00



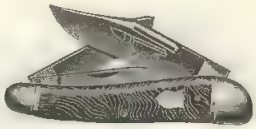
NOS. 2367 AND 2370

Stag handle, 3⅛ in. brass lined, nickel silver bolsters, three blades.

No	Per doz
2367	$14.00

Nickel silver lined, otherwise same as No 2367.

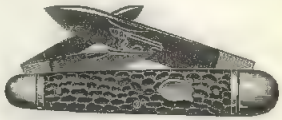
No	Per doz
2370	$16.00



No. 4381

Fancy white shell handle, 3¼ in. brass lined, nickel silver bolsters, three blades.

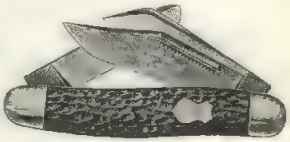
No.	Per doz.
4381	$15.00



No. 2368

Stag handle, 3½ in. brass lined, nickel silver bolsters, three blades.

No.	Per doz.
2368	$15.00



No. 2375

Stag handle, 3⅝ in. milled nickel silver lining, full Crocus polished, nickel silver bolsters, three blades.

No.	Per doz.
2375	$15.00

No. 2369

Stag handle, 3¾ in. brass lined, nickel silver bolsters, three blades.

No.	Per doz.
2369	$15.00

No. 4301

White shell handle, 3¼ in. brass lined, nickel silver bolsters, three blades, Wharncliffe blade instead of clip blade as shown in cut.

No.	Per doz
4301	$16.00

One-half dozen in a box

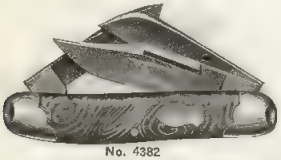
POCKET KNIVES

RIVERSIDE

No. 4379

White shell handle, 3½ in. brass lined, nickel silver bolsters, three blades.

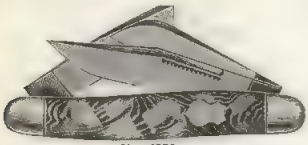
No.	Per doz.
4379	$16.00



No. 4382

Fancy shell handle, 3½ in. nickel silver lining and bolsters, three blades.

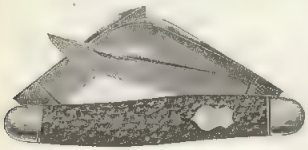
No.	Per doz.
4382	$16.00



No. 4326

Gold pearl Pyralin handle, 3⅞ in. milled nickel silver lining full Crocus polished, nickel silver bolsters, three blades.

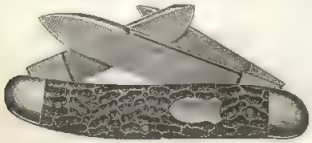
No.	Per doz.
4326	$18.00



No. 2320

Stag handle, 3⅞ in brass lined, Crocus polished, nickel silver bolsters, three blades.

No.	Per doz.
2320	$18.00

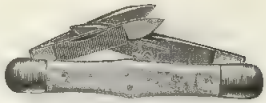


No. 2372

Stag handle, 4 in. nickel silver lining and bolsters, three blades, clip blade instead of spear blade as shown in cut.

No.	Per doz.
2372	$18.00

One-half dozen in a box



No. 3387

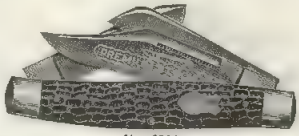
Pearl handle, 3½ in. nickel silver lining and bolsters, three blades.

No.	Per doz.
3387	$24.00

No. 3388

Pearl handle, 3½ in. brass lined, nickel silver bolsters, three blades.

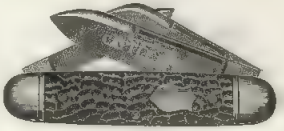
No.	Per doz.
3388	$24.00



No. 2364

Stag handle, 4 in. brass lined, nickel silver bolsters, three blades.

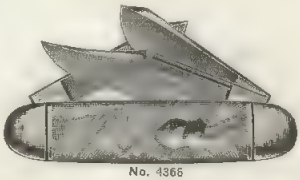
No.	Per doz.
2364	$13.00



No. 2365

3½ in. brass lined, nickel silver bolsters, three blades.

No.		Per doz.
2365	Stag handle	$14.00
3384	Pearl handle	30.00



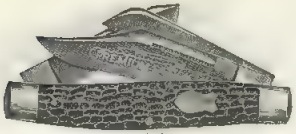
No. 4366

Red shell handle, 3½ in. brass lined, nickel silver bolsters, cattle knife, three blades, spear blade instead of clip blade as shown in cut.

No.	Per doz.
4366	$16.00

POCKET KNIVES

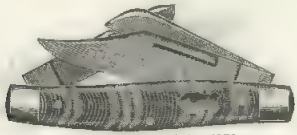
RIVERSIDE



No. 2371

Stag handle, 4 in. nickel silver lining and bolsters, three blades.

No.	Per doz.
2371	$18.00



NOS. 4376, 4377 AND 4378

4 in. brass lined, nickel silver bolsters, three blades.

Fancy shell handle, striped brown and white.

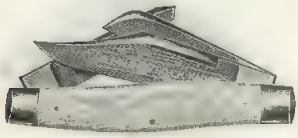
No.	Per doz.
4376	$18.00

Fancy white shel. handle.

4377	$18.00

Red shel. handle

4378	$18.00



No. 3385

Pearl handle, 4 in. nickel silver lining and bolsters, three blades.

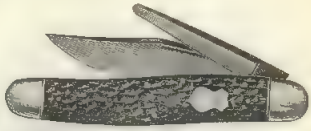
No.	Per doz.
3385	$36.00

No. 3386

Pearl handle, 4 in. brass lined, nickel silver bolsters, three blades.

No.	Per doz.
3386	$30.00

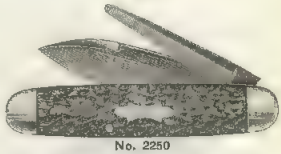
One-half dozen in a box



No. 2256

Stag handle, 3⅞ in. brass lined, half polished, nickel silver bolsters, one blade and belt punch.

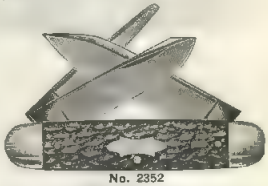
No.	Per doz.
2256	$10.00



No. 2250

Stag handle, 3½ in. brass lined, half polished, polished steel bolsters, one blade and belt punch.

No.	Per doz.
2250	$9.00



No. 2352

Stag handle, 3¼ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch.

No.	Per doz.
2352	$15.00

No. 4350

Gold pearl Pyralin handle, 3¼ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch.

No.	Per doz.
4350	$16.00

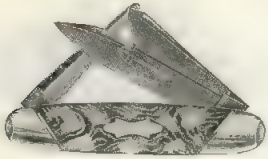
No. 2373

Stag handle, 3¼ in. brass lined, nickel silver bolsters, two blades and leather punch.

No.	Per doz.
2373	$16.00

POCKET KNIVES

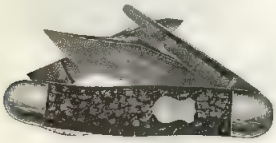
RIVERSIDE



No. 4325

Gold pearl Pyralin handle, 3¾ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch.

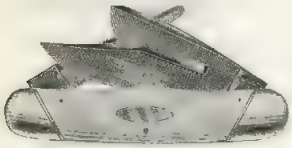
No.	Per doz.
4325	$16.00



No. 2350

Stag handle, 3½ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch.

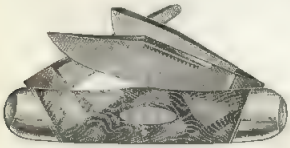
No.	Per doz.
2350	$16.00



No. 4351

Pearl ivory Pyralin handle, 3⅝ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch

No.	Per doz.
4351	$16.00

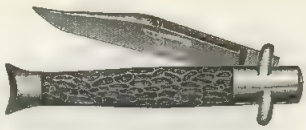


No. 4352

Abalonian Pyralin handle, 3⅝ in. brass lined, half polished, nickel silver bolsters, two blades and belt punch.

No.	Per doz.
4352	$16.00

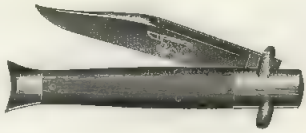
One-half dozen in a box



No. 211

Stag handle, 4 in. brass lined, nickel silver bolsters.

No.	Per doz.
211	$10.80



No. 412

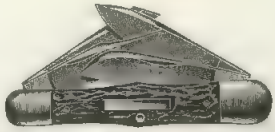
Fancy red celluloid handle, 4 in. brass lined, nickel silver bolsters.

No.	Per doz.
412	$10.80

No. 2408

Stag handle, 3¼ in. brass lined, nickel silver bolsters, four blades.

No.	Per doz.
2408	$12.00



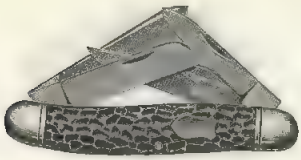
No. 2404

Stag handle, 3½ in. brass lined, nickel silver bolsters, four blades.

No.	Per doz.
2404	$16.00

POCKET KNIVES

RIVERSIDE



No. 2405

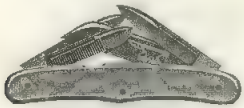
Stag handle, 4 in. brass lined, nickel silver bolsters, four blades

No.		Per doz.
2405		$18.00

No 2402

Stag handle, 3¼ in. brass lined, four blades.

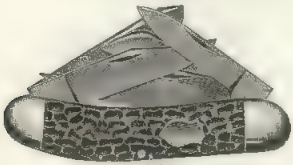
No.		Per doz.
2402		$24.00



No. 3400

Pearl handle, 3¼ in. brass lined, four blades.

No.		Per doz.
3400		$30.00



No. 2507

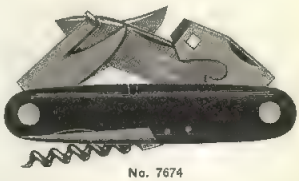
Stag handle, 3¾ in. brass lined, nickel silver bolsters, five blades

No.		Per doz.
2507		$21.00

No. 2406

Stag handle, 3½ in. brass lined, nickel silver bolsters, consists of spear blade, belt punch, can opener, screw driver and bottle opener; also has attachment to hold chain.

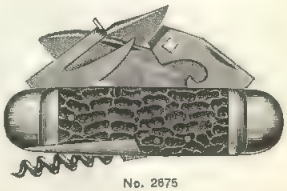
No.		Per doz.
2406	Boy Scout	$18.00



No. 7674

Combination knife, ebony handle, 3½ in., consists of spear blade, clip blade, bottle opener, screw driver, can opener, corkscrew and leather punch, brass lined with nickel silver rivets; also has an attachment to hold chain.

No.		Per doz.
7074		$21.00



No. 2675

Combination knife, stag handle, 3¼ in., consists of spear blade, clip blade, bottle opener, screw driver, can opener, corkscrew and leather punch, brass lined, nickel silver bolsters; also has an attachment to hold chain

No.		Per doz.
2075		$24.00

One-half dozen in a box

POCKET KNIVES

RIVERSIDE

No. 4292

Fancy shell handle, 2½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
4292	$8.00

No. 3215

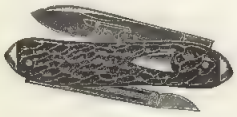
Pearl handle, 2½ in. nickel silver lined, two blades.

No.	Per doz.
3215	$12.00

No. 3214

Pearl handle, 2½ in. brass lined, nickel silver bolsters, two blades.

No.	Per doz.
3214	$12.00

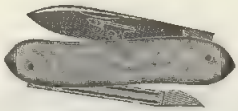


No. 2291

Stag handle, 3 in. nickel silver lining and tips, two blades.

No.	Per doz.
2201	$12.00

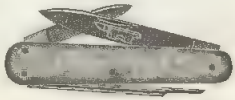
One half dozen in a box



No. 3296

Pearl handle, 3 in. nickel silver lining and tips, two blades.

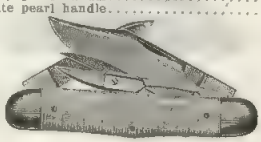
No.	Per doz.
3296	$24.00



NOS. 3389 AND 3398

3 in. nickel silver lined, milled edges, two blades and nail file.

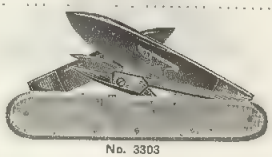
No.		Per doz.
3389	Fancy pearl handle	$33.00
3398	White pearl handle	33.00



No. 3399

Pearl handle, 3¼ in. brass lined, nickel silver bolsters, two blades and scissors

No.	Per doz.
3399	$30.00

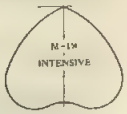


No. 3303

Pearl handle, 3¼ in. nickel silver lined, milled edges, two blades and scissors.

No.	Per doz.
3303	$36.00

HUBBELL REFLECTORS FOR INDUSTRIAL ILLUMINATION



Thoroughly efficient illumination is more than a humanitarian necessity in industrial plants. It secures and perpetuates economies apart from the beneficial effect upon employees. Scientifically correct illumination may be reckoned in terms of time saved in producing a given amount of work, in greater accuracy of operatives, in minimizing accidents and in promoting better working facilities by providing brighter and more cheerful surroundings.

The most important consideration in factory illumination is not to have more brilliant light but to make more and better use of the light available. Light runs its free course unless controlled at its source The light effused from lamps should be diffused by reflectors, otherwise it is lost, also its cost. It should be directed from where it isn't wanted to where it is needed-guided without deviation from the lamp to the object of illumination. This may be accomplished with unerring precision by using Hubbell reflectors, which should be selected with proper regard to their functional qualifications in association with various sizes and shapes of lamps.

These reflectors are correctly designed for new installation and designed to correct existing faults in old lighting systems They are shaped and finished to distribute light over extended areas, to concentrate it in a brilliant beam, or to give any intermediate distribution desired. Following are shown four fundamental distributions for which they are designed

DISTRIBUTING

This distribution of light is for general lighting The light does not pass upward or horizontally but is deflected downward, covering a broad area at low intensity For use in lighting large factory rooms, warehouses and similar places where volume of light is more essential than concentrated intensity. Reflectors giving this distribution should be spaced three times the mounting height for general illumination.

EXTENSIVE

This distribution of light is of high and uniform intensity. It is delivered from reflectors sufficiently deep to shield the eyes from direct glare. Used wherever it is desired to have even illumination. The maximum intensity of light rays is approximately at 15 degrees For uniform illumination, reflectors for this distribution should be spaced at a distance equal to two times the height above the plane to be lighted.

INTENSIVE

This is for evenly illuminating groups of machines such as lathes, looms and knitting machines The deep bowl reflector delivering this highly intensified light cuts off the glare from the line of vision and for uniform illumination, these reflectors should be spaced at a distance equal to one and one-quarter times the mounting height. Where lamps are placed unusually high, the intensive type is more satisfactory than the extensive.

FOCUSING

Where high intensity over a small area is desired this type of distribution is required The smaller units for this type may be used for concentrating light over vises, bench lathes, etc. The large units, mounted pendent or on brackets, furnish excellent light for inspection tables and for operations requiring close application of light These reflectors should be spaced at a distance three-quarters times mounting height for even illumination.

HUBBELL HOLDERS

H HOLDER

No. 3445

NOS. 3453 TO 3456

S HOLDER

P HOLDER

The Hubbell line of reflectors offers practically unlimited range of selection with the added advantages of a variety of holders to make complete any desired combinations Every Hubbell reflector has a standard extension neck which is built in and a permanent part of the reflector The neck has a flanged top which fits all standard medium sockets with 2¼ in holders or with 3¼ in holders for Mogul socket, also any of the five special types of Hubbell holders illustrated above.

Holders "H," "S." and "P" are permanently attached to many of the reflectors shown on the following pages All holders designated by numbers instead of letters interchange on all shapes and sizes of Hubbell reflectors having the extension neck. These holders may be had separately or furnished in combination with reflectors.

FINISHES

The bodies of Hubbell reflectors are made of best quality open hearth steel, thoroughly annealed to insure uniform tensile strength and deep-drawing qualities They are supplied in three standard inside finishes—matte aluminum, white porcelain enamel, white paint enamel. The standard color of the outside finish of all reflectors is green.

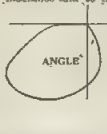
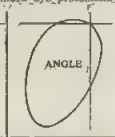
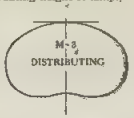
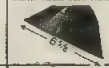
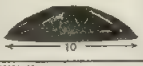
KEY TO LETTERS AND NUMERALS

Light distribution: B—Diffusing; D Distributing, E—Extensive; F—Focusing; I—Intensive; N—Angle, W—Wide.
Size: Numerals 25, 40, 60, etc., indicate the wattage of lamps.
Holders: H Hubbell screw holder; P—Porcelain socket holder, S Detachable screw casing, 3445 Medium strap holder socket; 3413 Mogul strap holder socket; 3451, 3453, 3454, 3455, 3456, 3459, medium covered strap holders; 3457, 3458, 3485, Mogul covered strap holders.
Inside finishes: A—Aluminum; M—Porcelain Enamel; T—Paint Enamel.

HUBBELL REFLECTORS

SCHEDULE C

REFLECTORS FOR TYPE B LAMPS IN SIZES 10, 15, 20 AND 25 WATTS

		ANGLE These Reflectors hang approximately at an angle of 30° distributing light as shown. Spacing distance is 1¼ times the distance the lamp hangs from the surface to be illuminated. Designed for lighting surfaces of lathes, presses and other machines and to afford eye protection.		WIDE These flat dome - porcelain enamel reflectors are for spreading light over great areas where it is neither desired nor essential to have even illumination.	DISTRIBUTING These shallow dome porcelain enamel reflectors are for general lighting. They do not allow light to pass upward or horizontally. Spacing distance should be three times the mounting height of lamp.
					
		Porcelain Enameled Green Outside White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside—White Inside	Porcelain Enameled Green Outside—White Inside
					
H—Hubbell Screw Collar Holder. For all brass shell, medium base sockets, beaded or threaded shells.		MN40H List Price, $1.65 Std Pk 50	AN40H List Price, 80c Std Pk 50	MW25H List Price, $2.15 Std Pk 50	MD40H List Price, $1.51 Std. Pk. 50
P—Brass Clamp Holder. For most any make of porcelain socket.		MN40P List Price, $1.80 Std. Pk. 30	AN40P List Price $1.10 Std. Pk. 30	MW25P List Price, $1.25 Std Pk. 30	MD40P List Price, $1.05 Std. Pk. 30
S—Hubbell Keyless Porcelain Socket with aluminum detachable screw casing. For ⅜" pipe.		MN40S List Price, $2.20 Std. Pk. 20	AN40S List Price, $1.50 Std. Pk. 20	MW25S List Price, $1.68 Std. Pk. 20	MD40S List Price, $2.06 Std. Pk. 20
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ⅜" pipe.		MN40 3445 List Price, $2.20 Std Pk. 50	AN40-3445 List Price, $1.50 Std. Pk. 50	MW25 3445 List Price, $1.68 Std. Pk. 50	MD40 3445 List Price, $2.06 Std Pk. 50
Nos. 3451, 3453, 3454 — Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN40-3454 List Price, $2.64 Std. Pk. 50	AN40-3454 List Price, $1.90 Std Pk. 50	☆	MD40-3454 List Price, $2.56 Std Pk 50
L — Extension. For any standard 2¼" Holder.		MN40 List Price, $1.40 Std. Pk..50	AN40 List Price, 70c Std. Pk 50	☆	MD40 List Price $1.06 Std Pk 50

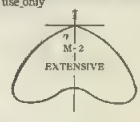
Charts Patented Mar. 12, 1918.

HUBBELL REFLECTORS

SCHEDULE C

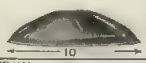
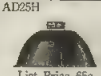
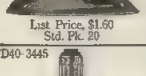
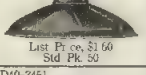
DISTRIBUTING
These paint enameled reflectors are used for general lighting. They do not allow light to pass upward or horizontally. Spacing distance for general illumination is three times the mounting height of lamps. The shallow bowl reflector, matte aluminum interior surface, is used for the same purposes as the shallow dome having white paint interior surface.

EXTENSIVE
These deep bowl reflectors are for interior and exterior lighting of industrial plants. The eyes are protected while the light is reflected. For even illumination, lamps should be spaced twice the distance of the mounting height. The white paint enamel interior finish is for inside use only



INTENSIVE
This deep bowl type is for even lighting of machines and benches and to shield the eyes from lamp glare. Spacing distance 1¼ times the mounting height.

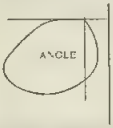
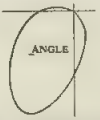
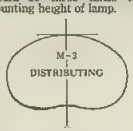
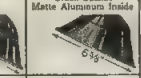
FOCUSING
This type used for local lighting where a strong concentration of light is desired. Spacing distance ½ times mounting height for even illumination.

Paint Enameled Green Outside—White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside White Inside	Paint Enameled Green Outside White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Paint Enameled Green Outside Matte Aluminum Inside
 10	6¼	6	6¼	6¼	6
TD40H List Price, 90c Std. Pk. 50	AD25H  List Price, 65c Std. Pk. 50	ME40H List Price, $1.25 Std. Pk. 50	TE40H List Price, 95c Std. Pk. 50	AI40H List Price, 95c Std. Pk. 50	AF25H List Price, 76c Std. Pk. 50
TD40P List Price, $1.20 Std. Pk. 30	AD25P List Price, 95c Std. Pk. 30	ME40P List Price, $1.40 Std. Pk. 30	TE40P List Price, $1.25 Std. Pk. 30	AI40P List Price, $1.25 Std. Pk. 30	AF25P List Price, $1.06 Std. Pk. 30
TD40S List Price, $1.60 Std. Pk. 20	AD25S List Price, $1.35 Std. Pk. 20	ME40S List Price, $1.80 Std. Pk. 20	TE40S List Price, $1.65 Std. Pk. 20	AI40S List Price, $1.65 Std. Pk. 20	AF25S List Price, $1.46 Std. Pk. 20
TD40-3445  List Price, $1.60 Std. Pk. 50	AD25-3445 List Price, $1.35 Std. Pk. 50	ME40-3445 List Price, $1.80 Std. Pk. 50	TE40-3445 List Price, $1.65 Std. Pk. 50	AI40-3445 List Price, $1.65 Std. Pk. 50	AF25-3445 List Price, $1.46 Std. Pk. 50
TD40-3451  List Price, $2.00 Std. Pk. 50	☆	ME40-3451 List Price, $2.22 Std. Pk. 50	TE40-3451 List Price, $2.05 Std. Pk. 50	AI40-3451 List Price, $2.05 Std. Pk. 50	AF25-3451 List Price, $1.86 Std. Pk. 50
TD40 List Price, 80c Std. Pk. 50	☆	ME40 List Price, $1.00 Std. Pk. 50	TE40 List Price, 85c Std. Pk. 50	AI40 List Price, 85c Std. Pk. 50	AF25 List Price, 66c Std. Pk. 50

Charts Patented Mar. 12, 1916

HUBBELL REFLECTORS

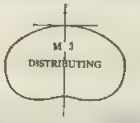
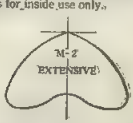
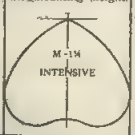
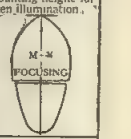
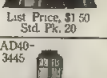
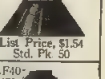
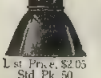
SCHEDULE C

REFLECTORS FOR 40 AND 50 WATT TYPE "B" LAMPS		ANGLE These Reflectors hang approximately at an angle of 30° distributing light as shown. Spacing distance is 1¼ times the distance the lamp hangs from the surface to be illuminated. Designed for lighting surfaces of lathes, presses and other machines and to afford eye protection.		WIDE These flat dome porcelain enamel reflectors are for spreading light over great areas where it is neither desired nor essential to have even illumination.	DISTRIBUTING These shallow dome porcelain enamel reflectors are for general lighting. They do not allow light to pass upward or horizontally. Spacing distance should be three times the mounting height of lamp.
					
		Porcelain Enameled Green Outside White Inside 	Paint Enameled Green Outside Matte Aluminum Inside 	Porcelain Enameled Green Outside—White Inside 	Porcelain Enameled Green Outside—White Inside
H — Hubbell Screw Collar Holder. For all brass shell, medium base sockets, beaded or threaded shells.		MN40H List Price, $1.65 Std. Pk. 50	AN40H List Price, 80c Std. Pk. 50	MW60H List Price, $1.38 Std. Pk. 50	MD40H List Price, $1.51 Std. Pk. 50
P—Brass Clamp Holder. For most any make of porcelain socket		MN40P List Price, $1.60 Std. Pk. 30	AN40P List Price, $1.10 Std. Pk. 30	MW60P List Price, $1.53 Std. Pk. 30	MD40P List Price, $1.66 Std. Pk. 30
S—Hubbell Keyless Porcelain Socket with aluminum detachable screw casing. For ⅜" pipe.		MN40S List Price, $2.20 Std. Pk. 20	AN40S List Price, $1.50 Std. Pk. 20	MW60S List Price, $1.93 Std. Pk. 20	MD40S List Price, $2.06 Std. Pk. 20
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ⅜" pipe.		MN40-3445 List Price, $2.20 Std. Pk. 50	AN40-3445 List Price, $1.50 Std. Pk. 50	MW60-3445 List Price, $1.93 Std. Pk. 50	MD40-3445 List Price, $2.06 Std. Pk. 50
Nos. 3451, 3453, 3454 — Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN40-3454 List Price, $2.64 Std. Pk. 50	AN40-3451 List Price, $1.90 Std. Pk. 50	☆	MD40-3454 List Price, $2.50 Std. Pk. 50
L — Extension. For any standard 2¼" Holder.		MN40 List Price, $1.40 Std. Pk. 50	AN40 List Price, 70c Std. Pk. 50	☆	MD40 List Price, $1.26 Std. Pk. 50

Charts Patented Mar. 21, 1916.

HUBBELL REFLECTORS

SCHEDULE C

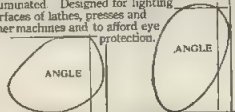
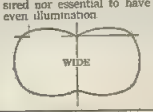
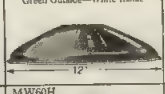
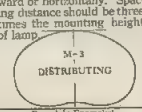
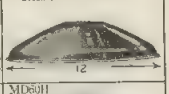
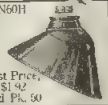
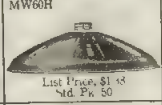
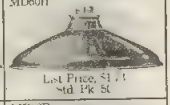
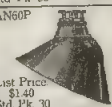
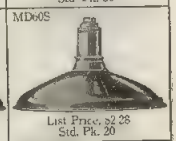
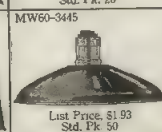
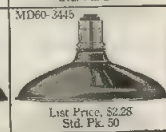
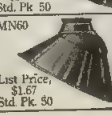
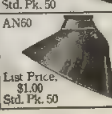
DISTRIBUTING		EXTENSIVE		INTENSIVE	FOCUSING
These paint enameled reflectors are used for general lighting. They do not allow light to pass upward or horizontally. Spacing distance for general illumination is three times the mounting height of lamps. The shallow bowl reflector, matte aluminum interior surface, is used for the same purposes as the shallow dome, having white paint interior surface. 		These deep bowl porcelain enamel reflectors are for interior and exterior lighting of industrial plants. The eyes are protected while the light is reflected. For even illumination, lamps should be spaced twice the distance of the mounting height. The white paint enamel interior finish is for inside use only. 		This deep bowl type is for even lighting of machines and benches and to shield the eyes from lamp glare. Spacing distance 1¼ times the mounting height. 	This type used for local lighting where a strong concentration of light is desired. Spacing distance ⅔ times mounting height for even illumination. 
Paint Enameled Green Outside—White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside White Inside	Paint Enameled Green Outside White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Paint Enameled Green Outside Matte Aluminum Inside
TD40H List Price, 90c Std. Pk. 50	AD40H List Price 80c Std Pk. 50	ME40H List Price, $1.25 Std. Pk. 50	TE40H List Price, 95c Std. Pk. 50	AI40H List Price 95c Std Pk. 50	AF40H List Price 84c Std Pk. 50
TD40P List Price, $1.20 Std Pk. 30	AD40P List Price, $1.10 Std. Pk. 30	ME40P List Price, $1.40 Std. Pk. 30	TE40P List Price, $1.25 Std. Pk. 30	AI40P List Price, $1.25 Std. Pk. 30	AF40P List Price, $1.14 Std. Pk. 30
TD40S List Price, $1.60 Std. Pk. 20	AD40S List Price, $1.50 Std. Pk. 20	ME40S List Price, $1.80 Std Pk. 20	TE40S List Price, $1.65 Std. Pk. 20	AI40S List Price, $1.65 Std Pk. 20	AF40S List Price, $1.54 Std. Pk. 20
TD40-3445 List Price, $1.60 Std. Pk. 50	AD40-3445  List Price, $1.50 Std. Pk. 50	ME40-3445 List Price, $1.80 Std. Pk. 50	TE40-3445 List Price, $1.65 Std Pk. 50	AI40-3445 List Price, $1.65 Std Pk. 50	AF40-3445 List Price, $1.54 Std. Pk. 50
TD40-3451 List Price, $2.00 Std. Pk. 50	☆	ME40-3451 List Price, $2.22 Std. Pk. 50	TE40-3451 List Price, $2.05 Std Pk. 50	AI40-3451 List Price $2.05 Std Pk. 50	AF40-3451  List Price, $1.94 Std Pk. 50
TD40 List Price, 80c Std. Pk. 50	☆	ME40 List Price $1.00 Std. Pk. 50	TE40  List Price 85c Std. Pk. 50	AI40 List Price 85c Std. Pk. 50	AF40 List Price, 74c Std Pk. 50

Charts Patented Mar. 21, 1916.

HUBBELL

HUBBELL REFLECTORS

SCHEDULE C

REFLECTORS FOR 60 WATT TYPE "B" LAMP		ANGLE These Reflectors hang approximately at an angle of 30° distributing light as shown. Spacing distance is 1¼ times the distance the lamp hangs from the surface to be illuminated. Designed for lighting surfaces of lathes, presses and other machines and to afford eye protection.  Porcelain Enameled Green Outside White Inside Paint Enameled Green Outside Matte Aluminum Inside 	WIDE These flat dome porcelain enamel reflectors are for spreading light over great areas where it is neither desired nor essential to have even illumination  Porcelain Enameled Green Outside—White Inside 	DISTRIBUTING These shallow dome porcelain enamel reflectors are for general lighting. They do not allow light to pass upward or horizontally. Spacing distance should be three times the mounting height of lamp.  Porcelain Enameled Green Outside—White Inside 
H—Hubbell Screw Collar Holder. For all brass shell, medium base sockets. Beaded or threaded shells.		MN60H  List Price, $1.92 Std. Pk. 50	AN60H List Price, $1.10 Std. Pk. 50	MW60H  List Price, $1.93 Std. Pk. 50	MD60H  List Price, $1.71 Std. Pk. 50
P Brass Clamp Holder. For most any make of porcelain sockets.		MN60P List Price, $2.07 Std. Pk. 30	AN60P  List Price $1.40 Std. Pk. 30	MW60P List Price, $1.53 Std. Pk. 30	MD60P List Price, $1.88 Std. Pk. 30
S—Hubbell Keyless Porcelain Socket with aluminum detachable screw casing. For ⅜" pipe.		MN60S List Price, $2.47 Std. Pk. 20	AN60S List Price, $1.80 Std. Pk. 20	MW60S List Price, $1.93, Std. Pk. 20	MD60S  List Price, $2.28 Std. Pk. 20
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ⅜" pipe.		MN60-3445 List Price, $2.47 Std. Pk. 50	AN60-3445 List Price, $1.80 Std. Pk. 50	MW60-3445  List Price, $1.93 Std. Pk. 50	MD60-3445  List Price, $2.28 Std. Pk. 50
Nos. 3451, 3453, 3454—Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN60-3454 List Price, $2.91 Std. Pk. 50	AN60-3451 List Price, $2.20 Std. Pk. 50	☆	MD60 3454 List Price, $2.72 Std. Pk. 50
L—Extension. For any standard 2¼" Holder.		MN60  List Price, $1.67 Std. Pk. 50	AN60  List Price, $1.00 Std. Pk. 50	☆	MD60 List Price $1.48 Std. Pk. 50

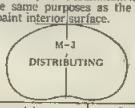
Charts Patented Mar. 21, 1916.

HUBBELL REFLECTORS

SCHEDULE C

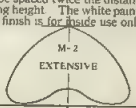
DISTRIBUTING

These paint enameled reflectors are used for general lighting. They do not allow light to pass upward or horizontally. Spacing distance for general illumination is three times the mounting height of lamps. The shallow bowl reflector, matte aluminum interior surface, is used for the same purposes as the shallow dome having white paint interior surface.



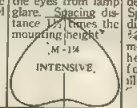
EXTENSIVE

These deep bowl reflectors are for interior and exterior lighting of industrial plants. The eyes are protected while the light is reflected. For even illumination, lamps should be spaced twice the distance of the mounting height. The white paint enamel interior finish is for inside use only.



INTENSIVE

This deep bowl type is for even lighting of machines and benches and to shield the eyes from lamp glare. Spacing distance 1½ times the mounting height.



FOCUSING

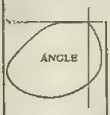
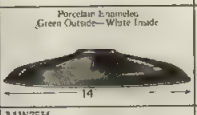
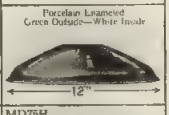
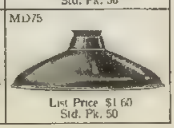
This type used for local lighting where a strong concentration of light is desired. Spacing distance ¾ times mounting height for even illumination.

Paint Enameled Green Outside - White Inside	Paint Enameled Green Outside - Matte Aluminum Inside	Porcelain Enameled Green Outside - White Inside	Paint Enameled Green Outside - White Inside	Paint Enameled Green Outside - Matte Aluminum Inside	Paint Enameled Green Outside - Matte Aluminum Inside
← 12 →	← 8¾" →	← 7¼" →	← 7¼ →	← 7¼" →	← 8 →
TD60H List Price $1.03 Std Pk 50	AD60H List Price, 98c Std Pk 50	ME60H List Price $1.49 Std Pk 50	TE60H List Price, $1.06 Std Pk 50	A160H List Price, $1.10 Std Pk. 50	AF60H List Price, $1.10 Std. Pk 50
TD60P List Price, $1.33 Std Pk 30	AD60P List Price, $1.28 Std. Pk. 30	ME60P List Price, $1.64 Std Pk. 30	TE60P List Price $1.36 Std Pk 30	A160P List Price, $1.40 Std Pk. 30	AF60P List Price, $1.40 Std Pk 30
TD60S List Price $1.[illegible] Std Pk 20	AD60S List Price $1.68 Std Pk 20	ME60S List Price $2.04 Std Pk 20	TE60S List Price, $1.76 Std Pk 20	A160S List Price $1.80 Std Pk 20	AF60S List Price, $1.80 Std Pk 20
TD60-3445 List Price $1.[illegible] Std Pk 50	AD60-3445 List Price, $1.68 Std Pk 50	ME60-3445 List Price $2.04 Std Pk 50	TE60-3445 List Price, $1.76 Std. Pk 50	A160-3445 List Price, $1.80 Std Pk. 50	AF60-3445 List Price, $1.80 Std. Pk 50
TD60 3451 List Price, $2.13 Std Pk 50	☆	ME60-3433 List Price, $2.46 Std Pk 50	TE60-3451 List Price, $2.16 Std Pk 50	A160 3451 List Price, $2.20 Std Pk 50	AF60-3451 List Price, $2.20 Std Pk 50
TD60 List Price, 93c Std Pk 50	☆	ME60 List Price, $1.24 Std. Pk 50	TE60 List Price, 96c Std. Pk. 50	A160 List Price, $1.00 Std. Pk. 50	AF60 List Price, $1.00 Std. Pk. 50

Charts Patented Mar. 21, 1916

HUBBELL REFLECTORS

SCHEDULE C

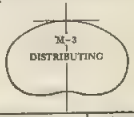
REFLECTORS FOR 75 WATT TYPE "C" LAMPS		ANGLE These Reflectors hang approximately at an angle of 30° distributing light as shown. Spacing distance is 1¼ times the distance the lamp hangs from the surface to be illuminated. 	WIDE These flat dome porcelain enamel reflectors are for spreading light over great areas where it is neither desired nor essential to have even illumination. 	DISTRIBUTING These shallow dome porcelain enamel reflectors are for general lighting. They do not allow light to pass upward or horizontally Spacing distance should be three times the mounting height of lamp
		Porcelain Enameled Green Outside White Inside 	Paint Enameled Green Outside Matte Aluminum Inside 	Porcelain Enameled Green Outside—White Inside 	Porcelain Enameled Green Outside—White Inside 
H—Hubbell Screw Collar Holder. For all brass shell, medium base sockets having either beaded or threaded shells.		MN75H List Price, $2 30 Std Pk 50	AN75H List Price, $1.22 Std. Pk. 50	MW75H List Price, $2 20 Std Pk 50	MD75H List Price, $1 85 Std Pk 50
P—Brass Clamp Holder. For most any make of medium base porcelain socket		MN75P List Price $2.35 Std Pk 30	AN75P List Price, $1 .2 Std Pk 30	MW75P List Price $2 35 Std Pk 30	MD75P List Price, $2 00 Std Pk 30
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ⅜" pipe.		MN75 3445 List Price, $2.75 Std Pk 50	AN75 3445 List Price, $1.92 Std Pk 50	MW75—3445 List Price, $2 75 Std Pk 50	MD75 -3445 List Price $2 50 Std Pk 50
Nos. 3451, 3454, 3455 Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN75 3455 List Price, $3 21 Std Pk 50	AN75 3451 List Price, $2.32 Std. Pk. 50	MW75—3455 List Price, $3 21 Std Pk 50	MD75—3455 List Price, $2 86 Std. Pk. 50
L—Extension. For any standard 2¼" Holder.		MN75 List Price, $1 95 Std Pk 50	AN75 List Price, $1 .2 Std. Pk. 50	MW75 List Price, $1 95 Std. Pk. 50	MD75  List Price $1 60 Std. Pk. 50

Charts Patented Mar. 21, 1916

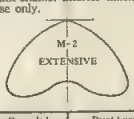
HUBBELL REFLECTORS

SCHEDULE C

DISTRIBUTING
These reflectors are used for general lighting. They do not allow light to pass upward or horizontally. Spacing distance for general illumination is three times the mounting height of lamps. The shallow bowl reflector matte aluminum inside surface is used for the ▬ purposes as the shallow dome, having white inside surface.

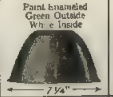
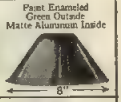
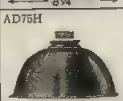
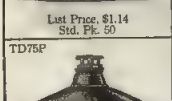
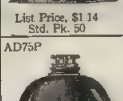
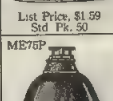
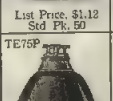
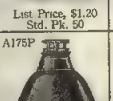
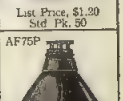
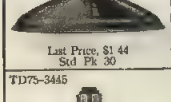
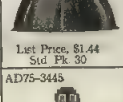
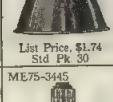
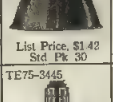
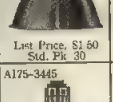
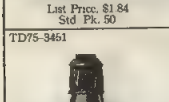
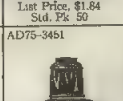
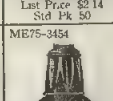


EXTENSIVE
These deep bowl reflectors are for interior and exterior lighting of industrial plants. The eyes are protected while the light is reflected. For even illumination, lamps should be spaced twice the distance of the mounting height. The white paint enamel interior finish is for inside use only.



INTENSIVE
These deep bowl reflectors are for interior lighting where high mounting heights are necessary. Spacing distance 1½ times the mounting height

FOCUSING
This type used for local lighting where a strong light is desired. Spacing distance ¾ times mounting height for even illumination

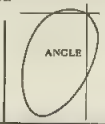
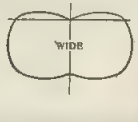
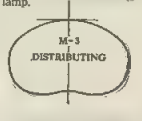
Paint Enameled Green Outside—White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside White Inside	Paint Enameled Green Outside White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Paint Enameled Green Outside Matte Aluminum Inside
12"	8¼	7¼"	 7¼"	7¼"	 8"
TD75H List Price, $1.14 Std. Pk. 50	AD75H  List Price, $1.14 Std. Pk. 50	ME75H List Price, $1.59 Std. Pk. 50	TE75H List Price, $1.12 Std. Pk. 50	A175H List Price, $1.20 Std. Pk. 50	AF75H List Price, $1.20 Std. Pk. 50
TD75P  List Price, $1.44 Std. Pk. 30	AD75P  List Price, $1.44 Std. Pk. 30	ME75P  List Price, $1.74 Std. Pk. 30	TE75P  List Price, $1.42 Std. Pk. 30	A175P  List Price, $1.50 Std. Pk. 30	AF75P  List Price, $1.50 Std. Pk. 30
TD75-3445  List Price, $1.84 Std. Pk. 50	AD75-3445  List Price, $1.84 Std. Pk. 50	ME75-3445  List Price, $2.14 Std. Pk. 50	TE75-3445  List Price, $1.82 Std. Pk. 50	A175-3445  List Price, $1.90 Std. Pk. 50	AF75-3445 List Price, $1.90 Std. Pk. 50
TD75-3451 List Price, $2.24 Std. Pk. 50	AD75-3451 List Price, $2.24 Std. Pk. 50	ME75-3451 List Price, $2.58 Std. Pk. 50	TE75-3451 List Price, $2.22 Std. Pk. 50	A175-3451 List Price, $2.30 Std. Pk. 50	AF75-3451 List Price, $2.30 Std. Pk. 50
TD75  List Price, $1.04 Std. Pk. 50	AD75  List Price, $1.04 Std. Pk. 50	ME75  List Price, $1.34 Std. Pk. 50	TE75 List Price, $1.02 Std. Pk. 50	A175 List Price, $1.10 Std. Pk. 50	AF75 List Price, $1.10 Std. Pk. 50

Charis Patented Mar. 21, 1916.

HUBBELL REFLECTORS

SCHEDULE C

REFLECTORS
FOR
100 and 150 WATT
(TYPE "C") LAMPS

		ANGLE These Reflectors hang approximately at an angle of 30° distributing light as shown. Spacing distance is 1¼ times the distance the lamp hangs from the surface to be illuminated. Used for lighting billboards, interior side walls and show windows.		WIDE These flat dome porcelain enamel reflectors are for spreading light over great areas where it is neither desired nor essential to have even illumination.	DISTRIBUTING These shallow dome porcelain enamel reflectors are for general lighting. They do not allow light to pass upward or horizontally. Spacing distance should be three times the mounting height of lamp.
					
		Porcelain Enameled Green Outside—White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside—White Inside	Porcelain Enameled Green Outside—White Inside
H—Hubbell Screw Collar Holder. For all brass shell, medium base sockets having either beaded or threaded shells.		MN100H List Price $2.75 Std Pk. 30	AN100H List Price, $1.64 Std Pk. 30	MW100H List Price, $2.35 Std. Pk. 30	MD100H List Price, $2.75 Std. Pk. 30
P—Brass Clamp Holder. For most any make of medium base porcelain socket		MN100P List Price, $2.90 Std. Pk. 18	AN100P List Price, $1.94 Std Pk 18	MW100P List Price, $2.50 Std. Pk. 18	MD100P List Price, $2.90 Std. Pk. 18
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ½" pipe.		MN100—3445 List Price, $3.30 Std Pk 30	AN100—3445 List Price, $2.34 Std Pk 30	MW100—3445 List Price, $2.90 Std Pk 30	MD100—3445 List Price, $3.30 Std. Pk 30
Nos. 3451, 3454, 3455, 3456—Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN100 3454 List Price, $3.74 Std Pk 30	AN100—3451 List Price, $2.74 Std Pk 30	MW100—3456 List Price, $3.40 Std. Pk 30	MD100 3456 List Price, $3.80 Std Pk 30
L—Extension. For any standard 2¼" Holder.		MN100 List Price, $2.50 Std Pk. 30	AN100 List Price, $1.54 Std Pk. 30	MW100 List Price, $2.10 Std. Pk. 30	MD100 List Price, $2.50 Std. Pk. 30

Charts Patented Mar. 21, 1916.

HUBBELL REFLECTORS

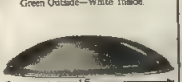
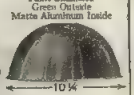
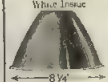
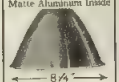
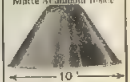
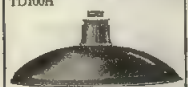
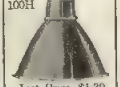
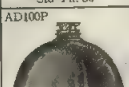
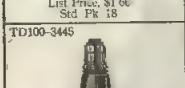
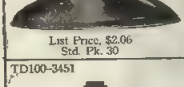
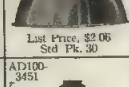
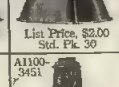
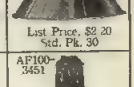
SCHEDULE C

DISTRIBUTING — These reflectors are used for general lighting. They do not allow light to pass upward or horizontally. Spacing distance for general illumination is three times the mounting height of lamps. The shallow bowl reflector matte aluminum inside surface is used for the same purposes as the shallow dome, having white inside surface.

EXTENSIVE — These deep bowl reflectors are for interior and exterior lighting of industrial plants. The eyes are protected while the light is reflected. For even illumination, lamps should be spaced twice the distance of the mounting height. The white paint enamel interior finish is for inside use only.

INTENSIVE — These deep bowl reflectors are for interior lighting where high mounting heights are necessary. Spacing distance 1½ times the mounting height.

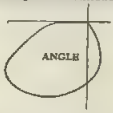
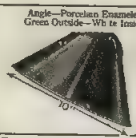
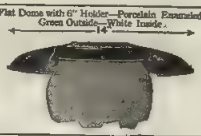
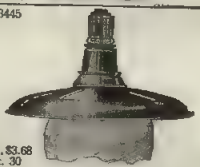
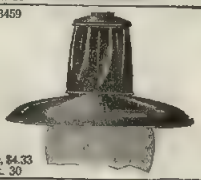
FOCUSING — This type used for local lighting where a strong light is desired. Spacing distance ¾ times mounting height for even illumination.

Paint Enameled Green Outside—White Inside.	Paint Enameled Green Outside Matte Aluminum Inside	Porcelain Enameled Green Outside White Inside	Paint Enameled Green Outside White Inside	Paint Enameled Green Outside Matte Aluminum Inside	Paint Enameled Green Outside Matte Aluminum Inside
 15	 10¼	8¼"	 8¼"	 8¼"	 10"
TD100H  List Price, $1.36 Std. Pk. 30	AD100H List Price, $1.36 Std. Pk. 30	ME 100H List Price, $1.75 Std. Pk. 30	TE 100H List Price, $1.25 Std. Pk. 30	AI 100H  List Price, $1.30 Std. Pk. 30	AF 100H List Price, $1.50 Std. Pk. 30
TD100P List Price, $1.60 Std. Pk. 18	AD100P  List Price, $1.66 Std. Pk. 18	ME 100P List Price, $1.90 Std. Pk. 18	TE 100P List Price, $1.35 Std. Pk. 18	AI 100P List Price, $1.60 Std. Pk. 18	AF 100P List Price, $1.80 Std. Pk. 18
TD100-3445  List Price, $2.06 Std. Pk. 30	AD100-3445 List Price, $2.06 Std. Pk. 30	ME100-3445 List Price, $2.30 Std. Pk. 30	TE100-3445 List Price, $1.95 Std. Pk. 30	AI100-3445 List Price, $2.00 Std. Pk. 30	AF100-3445 List Price, $2.20 Std. Pk. 30
TD100-3451  List Price, $2.46 Std. Pk. 30	AD100-3451  List Price, $2.46 Std. Pk. 30	ME100-3455 List Price, $2.76 Std. Pk. 30	TE100-3451 List Price, $2.35 Std. Pk. 30	AI100-3451  List Price, $2.40 Std. Pk. 30	AF100-3451  List Price, $2.60 Std. Pk. 30
TD100 List Price, $1.26 Std. Pk. 30	AD100 List Price, $1.26 Std. Pk. 30	ME100 List Price, $1.50 Std. Pk. 30	TE100 List Price, $1.15 Std. Pk. 30	AI100 List Price, $1.20 Std. Pk. 30	AF100 List Price, $1.40 Std. Pk. 30

Charts Patented Mar 21, 1916

HUBBELL REFLECTORS

SCHEDULE C

REFLECTORS FOR 200 WATT TYPE "C" LAMPS		ANGLE These porcelain enameled angle reflectors distribute light as shown. Spacing distance is 1½ times the distance the lamp hangs from the surface to be illuminated. Recommended for billboards, building fronts and as side wall units in factories where cranes or other apparatus interfere with the general overhead lighting.	DIFFUSING These reflectors are recommended for general illumination. When fitted with opal globes they spread a soft, diffused light. May be used in addition to local lights.
			
		Angle—Porcelain Enameled Green Outside—White Inside 	Flat Dome with 6" Holder—Porcelain Enameled Green Outside—White Inside 
P—Brass Clamp Holder. For most any make of porcelain socket.		MN200P List Price, $3.00 Std. Pk. 18	MB200P List Price, $3.28 Std. Pk. 18
No. 3445—Hubbell Keyless Porcelain Socket with strap holder. For ⅜" pipe.		MN200-3445 List Price, $3.40 Std. Pk. 30	MB200-3445  List Price, $3.68 Std. Pk. 30
Nos. 3451, 3455 3456 and 3459—Hubbell Porcelain Sockets with strap holder and Japanned ventilated corrugated cover. For ½" pipe.		MN200-3455 List Price, $3.86 Std. Pk. 30	MB200-3459  List Price, $4.33 Std. Pk. 30
L—Extension. For any standard 2¼" Holder.		MN200 List Price, $2.60 Std. Pk. 30	MB200 List Price, $2.88 Std. Pk. 30

Charts Patented Mar. 21, 1916

1847 ROGERS BROS.

THE CONTINENTAL PATTERN

Triple Silver Plated—Gray Finish.

Tea Spoons ..... Per Doz. $6 50
One Dozen in a Box.

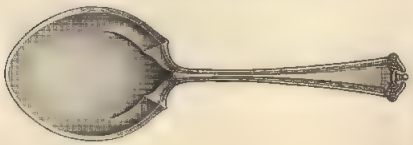
Dessert Spoons ..... Per Doz. $11 60
One Dozen in a Box

Table Spoons ..... Per Doz. $13 00
One Dozen in a Box

Bouillon Spoons ..... Per Doz. $11 50
One-half Dozen in Lined Box

Soup Spoons ..... Per Doz. $13 00
One Dozen in a Box

Orange Spoons ..... Per Doz $8 25
One-half Dozen in Lined Box



Berry Spoons ..... Per Doz. $30 00
One twelfth Dozen in Lined Box

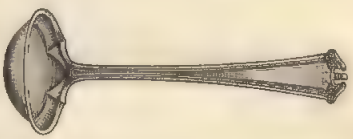
Coffee Spoons ..... Per Doz. $6 50
One-half Dozen in Lined Box

Sugar Tongs ..... Per Doz. $24 50
One-half Dozen in Lined Box

Butter Spreaders ..... Per Doz. $10 50
One-half Dozen in Lined Box

Oyster Forks ..... Per Doz. $8 50
One-half Dozen in Lined Box

Individual Salad Forks ..... Per Doz. $13 00
One-half Dozen in Lined Box



Cream Ladles ..... Per Doz. $18 50
One-twelfth Dozen in Lined Box

Cold Meat Forks ..... Per Doz. $19 00
One twelfth Dozen in Lined Box

1847 ROGERS BROS.

THE CONTINENTAL PATTERN

Triple Plated—Gray Finish.

Sugar Shells ..... One-half Dozen in Lined Box. .Per Doz. $14 00

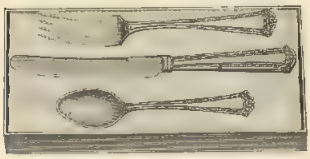
Medium Forks ..... One Dozen in a Box .....Per Doz. $13 00

Dessert Forks ..... One Dozen in a Box .....Per Doz 11 60

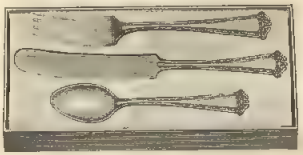
Butter Knives One Half Dozen in Lined Box Per Doz. $16 00

No. 54. Medium Knives ..... One Dozen in a Box .....Per Doz. $9 40

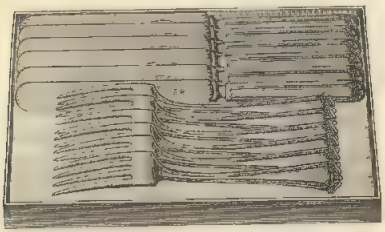
Medium Knives, hollow handle . One Dozen in a Box. .Per Doz. $22 75



No. 598. Continental Child's Set, 3 pieces Per Set $3 60

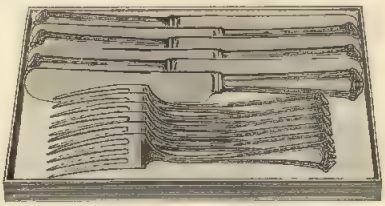


No. 116. Continental Child's Set, 3 pieces..... Per Set $2 75



No. 155½. Continental Set, 6 each No. 54 Medium Knives and XS. Triple Medium Forks . . Per Set $11 20

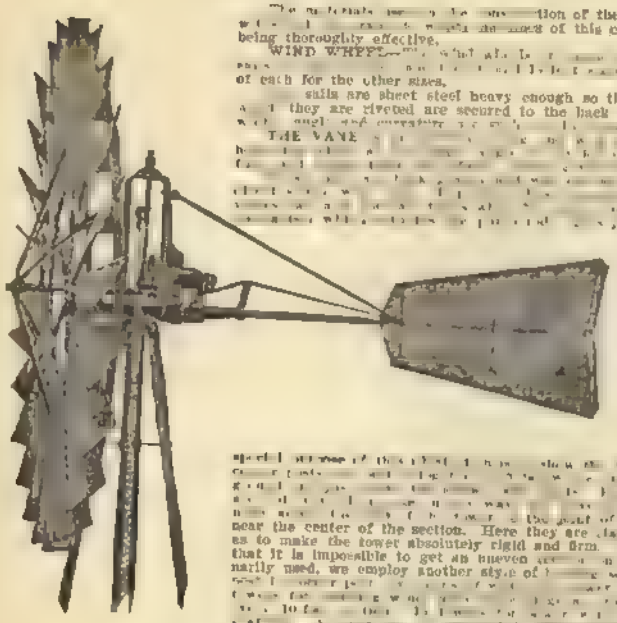
No. 156½. Dessert Per Set $10 35



No. 158½. Continental Set, 6 each Medium Knives, hollow handles, and X. S. Triple Medium Forks. Per Set $17 90

No. 159½. Dessert .....Per Set 16 45

"Special" Galvanized Steel Wind Mills and Towers



The materials used in the construction of these wind mills are such as are the best adapted to their requirements, and are heavy enough to withstand the storms to which mills of this class are subjected, but not so heavy as to [illegible] being thoroughly effective.

WIND WHEEL—[illegible] of each for the other sizes.

[illegible] sails are sheet steel heavy enough so that we are not compelled to bend them to obtain the necessary strength, and as the brackets to which they are riveted are secured to the back of the sails, the face or front of the sail is exposed to the full effect [illegible]

THE VANE [illegible] so that there is very little, if any, side strain and practically no friction, and on the up stroke or lifting stroke lifts straight up, with no side strain whatever.

Figure 1 illustrates the engine head of our 8-foot pumping mill, and as all of our mills are built in the same manner, the only difference being in the weight and size of the parts, it will also illustrate the other sizes. These mills can be erected on steel towers, wood towers or wood masts. They are always furnished with fittings for wood towers unless otherwise specified.

The box for the main gear shaft is equipped with two bearings with a large oil chamber between them. As the greater portion of the lifting load is carried on this box, it is very strongly made and has a large oil capacity.

The wind wheel spider is keyed to main shaft and to this are attached the wheel arms with bolts and lock nuts. The pump pole swivel joint is provided with a hole through which the pull-out wire is passed, preventing the wire from winding around pump rod. The brake is one of the most effective in use and is provided with a compression spring to keep an even pressure on the brake band when the mill is out of service.

CONSTRUCTION OF FOUR-POST ANGLE STEEL TOWERS

Figure 37 illustrates the lower 10 feet of our 30-foot four-post angle steel tower. The [illegible] near the center of the section. Here they are [illegible] as to make the tower absolutely rigid and firm. In [illegible] that it is impossible to get an uneven [illegible] narily used, we employ another style of [illegible] ladder used on our towers. No man-killing hooks project from the corner [illegible] together so that the ladder is perfectly safe for anyone to climb. Attached to the left [illegible] lever which is always furnished by us when wind mills and towers are ordered together.

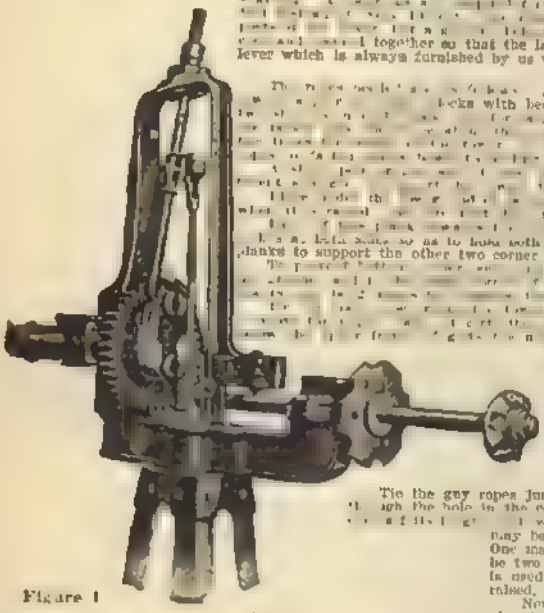


Figure 1

INSTRUCTIONS FOR ERECTING TOWERS

[illegible] Locks with buckets [illegible] have two sheaves [illegible] sheaves the tackle rope should be about [illegible] the length of the tower, and short [illegible] together [illegible] When the platform [illegible] girts, and when the platform is [illegible] of girts above the platform. In such case [illegible] Lay the main rope along the center of the tower on the upp[illegible]

Lean the shear pole against the bottom girt which is on the upper side of the tower; pass the main rope over the top of the cross in the shear pole and tie it securely with a short rope. Tie the end of the main rope to one of the pulley blocks. Raise the shear pole until the lower ends are about opposite the center of the place where the tower is to stand, one leg on each side.

Pull out the tackle rope until the distance from center to center of pulley blocks is at least 10 feet more than one-half the length of the tower. Now plant a strong post directly in line with the center of the tower and far enough from the tower so that the tackle rope can be pulled out straight. Secure the pulley block to this post with a strong rope.

Tie the guy ropes just above the platform, to the corner posts which are next the ground, letting the ropes pass downward [illegible] may be held steady while being raised and kept from going too far over when it has reached an upright position. One man will be required at each of these guy ropes, but in case of very high or very heavy towers there should be two men at each rope. The tower may be raised with a windlass or horses may be employed. If a windlass is used it should be strongly staked down; in fact, everything should be strong and firm when a tower is being raised, thus preventing the possibility of an accident.

Now raise the tower, bolt it to the anchor posts and shift it into position. It can be shifted easily by levers placed under the lower girts close up to the corner posts. With power mills be sure that the side of the tower is square with the direction in which you wish to run the line shafting. With pumping wind mills care should be taken that the pump rod of the mill is directly over the pump rod of the pump. Remember that the tower [illegible] posts must be firmly bedded. Fill the anchor post holes with stone or boulders [illegible] the filling is being done.

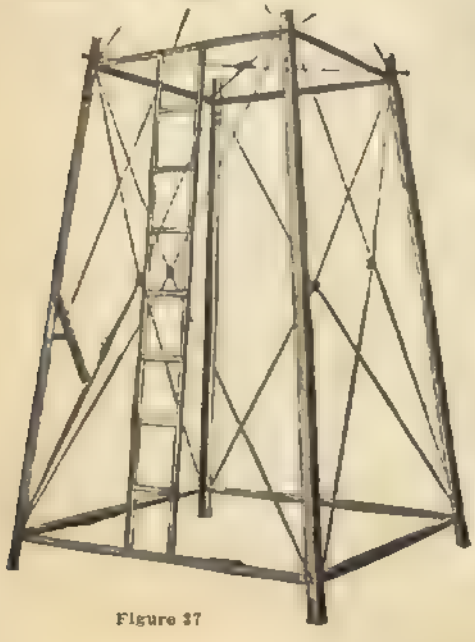


Figure 37

PRICES FOR "SPECIAL" GALVANIZED STEEL WIND MILLS, WITHOUT TOWER

Size		Weight, lbs.	Price
[illegible]	wheel	280	$ 87.50
[illegible]	wheel	[illegible]	91.25
[illegible]	wheel	[illegible]	10[illegible]
[illegible]	wheel	[illegible]	2[illegible]
[illegible]	wheel	1150	230.80
10-foot	wheel	1700	455.70

PRICES FOR FOUR-POST ANGLE STEEL, GALVANIZED TOWERS FOR 6 AND 8-FOOT MILLS

Style No. 12		Weight, lbs.	Price
Height 20 feet	[illegible]	3[illegible]	$ [illegible]
Height 30 feet	[illegible]	[illegible]	106.85
[illegible]	[illegible]	[illegible]	147.50
[illegible]	[illegible]	[illegible]	193.15
Height, 60 feet	[illegible]	1180	[illegible]

FOR 10-FOOT MILLS

Style No. 32	Weight, lbs.	Price
Height 20 feet	500	$ 78.15
Height 30 feet	560	114.55
Height 40 feet	743	154.05
Height 50 feet	[illegible]	197.40
Height 60 feet	1230	264.75

FOR 12-FOOT MILLS

Style No. 32	Weight, lbs.	Price
Height 20 feet	645	$117.65
Height 30 feet	790	[illegible]
Height 40 feet	[illegible]	233.95
[illegible]	[illegible]	311.70
Height 60 feet	1745	389.60

FOR 16-FOOT MILLS

Style No. [illegible]	Weight	Price
Height 20 feet	[illegible]	$166.45
Height 30 feet	[illegible]	250.45
Height 40 feet	[illegible]	3[illegible]
Height 50 feet	[illegible]	4[illegible]
Height 60 feet	[illegible]	558.35

It has been found by experience that it requires on an average a wind of a velocity of four to five miles per [illegible] The average velocity of wind in the United States is 16 miles per hour for eight hours per day. [illegible] erly erected it becomes a faithful and reliable servant, on which you can depend for an average of eight hours [illegible]

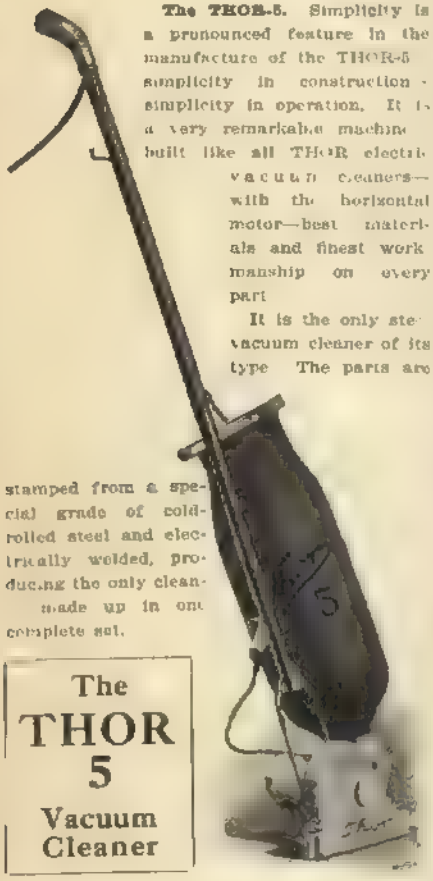
CAUTION—Do not allow yourself to be misled by statements that wind mills of any particular make will [illegible] tion they should have, as should any other wind mill or machine of any kind, if long and faithful service is [illegible] the bolts in both mill and tower once or twice a year; you will then have an outfit that will be practically indestructible.

SHIPPED F. O. B. OUR WISCONSIN FACTORY

A Good Selling Product—The Thor-5 Vacuum Cleaner

A Very Necessary Addition to Every Household

In selling the THOR-5 you have a number of splendid arguments to present. Not only does it make carpets and rugs bright and clean but does an entire house cleaning. It is a universal cleaner for any place where dust collects. Take the walls from ceiling to floor, mattresses, pillows, draperies, pictures—all can be conveniently cleaned by merely attaching special tools furnished for this purpose



The THOR-5. Simplicity is a pronounced feature in the manufacture of the THOR-5 simplicity in construction—simplicity in operation. It is a very remarkable machine built like all THOR electric vacuum cleaners—with the horizontal motor—best materials and finest workmanship on every part

It is the only steel vacuum cleaner of its type The parts are stamped from a special grade of cold-rolled steel and electrically welded, producing the only clean-made up in one complete set.

The THOR 5 Vacuum Cleaner

All the material used in the THOR-5 is judged first of all from a standpoint of durability. While it is probably the lightest machine on the market—total weight being but eight pounds—it will outlast every other vacuum cleaner of its type because the steel body is practically indestructible.

Although the most reasonably priced machine, quality and durability are not to be judged by the cost—practically all other cleaners are aluminum—the cost of aluminum is just fifteen times what we pay for this special grade of cold rolled steel. There's the whole explanation in a nutshell—a tremendous saving in material and labor has made it possible to sell a $35 00 cleaner for $22 50 retail.

Price, F. O. B. Chicago, $54.67

AN ATTRACTIVE FEATURE

of the THOR-5 is the controlling switch in the handle. See accompanying illustration. No stooping to stop or start the motor—the switch is conveniently located at the end of the handle and rests in the palm of the hand while the machine is in use. A half turn to the right and the electricity is on or off in a minute. You can leave the machine standing anywhere and have the handle convenient to take hold of when you resume your work—it will not drop.

View of Controlling Switch

THE COMB

The adjustable rubber comb is another feature found only on the THOR vacuum cleaner It positively picks up hair, lint, and ravelings It is impossible to clog the nozzle or fan—the powerful suction draws the dirt into the dust bag quickly and surely—note the illustration below.

No. 1. Showing Adjusting Rubber Comb.

No. 2. The Comb Raised Into Position for Ordinary Cleaning

A WRITTEN GUARANTEE WITH EACH MACHINE

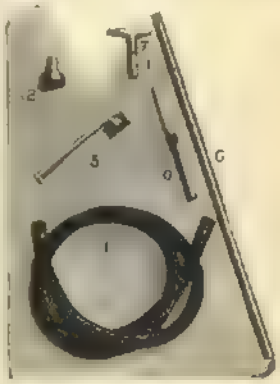
Remember, the THOR-5 is mechanically perfect—it has every special feature your customers demand—every machine cleaner is sold under an absolute guarantee to fulfill every claim for it. A security bond signed by the president and secretary of the manufacturers is furnished each purchaser

The Best Way—Judge a THOR by the work it does Test it on your own rugs—measure the value of this machine by the results. It's all very simple, just attach the plug to a lamp socket and The THOR-5 is ready to do the work. In a few minutes everything is made perfectly clean.

SPECIAL DESIGNED ATTACHMENTS

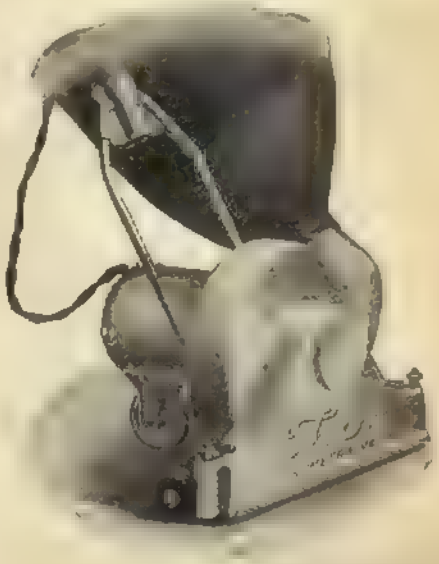
For cleaning the hard-to-get-at places, such as draperies, walls, pictures, etc. Made of pressed steel, finely finished and polished. Assortment contains parts shown in the illustration. With these attachments a THOR-5 is the most convenient household necessity a housewife can have

Price, F. O. B. Chicago, $10.20



The illustration below gives a good idea of the simplicity of construction and design of the THOR-5. The special construction of the fan-housing—an exclusive feature of this machine—makes it impossible for hair-threads or ravelings to get behind the fan or wind around the shaft.

The fan is balanced mechanically with the utmost care and precision. Although it runs at a speed of 8,000 to 9,000 R. P. M., it is so accurately adjusted that the wear on the motor bearings is reduced to a minimum and there is absolutely no vibration in the cleaner itself.



You can rest assured that your money is buying more of the high-grade vacuum cleaner than it could if you investigated every other cleaner on the market. Send for a THOR-5 Test it out in your own way. Don't let anything influence your judgment but the machine itself, and what it does in actual service.

G.W. HUNTLEY CHICAGO

Finest Solid Aluminum Ware

1863 1917

The best metal to be had. 99 per cent. pure. EXTRA HEAVY. Fine polish outside and bright finish inside. All ITEMS SEAMLESS. ABSOLUTELY SANITARY. LIGHT. LOWEST SERVICE WEIGHT. NOT READY COOKED. Aluminum requires less fuel than any other metal. Utensils last practically a lifetime.

These finest pans and pots are made of heavy tin-plated steel. The handles are so closely fastened to the body of the utensils that it is impossible for any dirt to collect.

LIPPED SAUCE PAN

No.		Each
H100	1½ quarts	$1.15
H101	2 quarts	1.59
H102	3 quarts	2.03
H103	4 quarts	2.80
H104	5 quarts	3.07

BERLIN SAUCE PAN

No.		Each
H105	2 quarts	$2.25
H106	3 quarts	2.75
H107	4 quarts	3.22
H108	6 quarts	4.17

BERLIN KETTLE

No.		Each
H109	3 quarts	$2.25
H110	3 quarts	2.75
H111	4 quarts	3.22
H112	6 quarts	4.17
H113	8 quarts	5.03
H114	10 quarts	5.62

PRESERVING KETTLE

Without cover

No.		Each
H115	4 quarts	$2.80
H116	6 quarts	3.37
H117	8 quarts	4.22
H118	10 quarts	5.08
H119	12 quarts	5.52

RICE BOILER

Upper vessel, 1½ qts.; lower vessel, 2 qts.
No. H120 Each ... $3.78
Upper vessel, 2 qts. lower vessel, 3 qts.
No. H121 Each ... 4.25
Upper vessel, qts. lower vessel, 4 qts.
No. H122 Each 5.00

DOUBLE FRYING PAN

Diameter, 9½ inches; depth of bottom, 1 3/16 inches. Steel handles, heavily tinned.
No. H123 Each $3.12

LIPPED FRY PANS

Extra heavy metal. Fine polished wood handle.

No.	Diameter	Depth	Each
H124	8⅜ in.	1⅞ in.	$4.22
H125	9⅜ in.	2 in.	5.00
H126	11⅜ in.	2 in.	5.52

FRYING PAN

No.		
No. H127	Each	$2.37
No. H128	Each	3.40
No. H129	Each	3.40
No. H130	Each	4.22
No. H131	Each	4.73

DRIP PANS—SEAMLESS

Heavy weight steel.

No.	Length	Width	Depth	Each
H132	14⅜ in.	10½ in.	2 in.	$2.37
H133	17¾ in.	14⅜ in.	2⅜ in.	3.40

CORN CAKE OR MUFFIN PAN

(11⅛x7¼. Diam. 3 in., cup depth, 1½ in.)
No. H135 6 cups .....each $1.85

ROUND GRIDDLE

Diameter, 10 inches.
No. H136 Each $5.73

TUBED CAKE PAN

Octagonal shape

No.		Each
H141	Diameter, 8 inches	$2.10
H142	Diameter, 9 inches	2.37

Same as above, plain round, firm bottom.

H143	Diameter, 8 inches	$1.67
H144	Diameter, 9 inches	1.93

COMBINATION TEA KETTLES AND DOUBLE BOILERS

Capacity of tea kettle, 7 quarts; rice boiler, 2 quarts.
No. H137 Each $9.37
Packed one in a carton.

ROUND DOUBLE ROASTER.

Seamless. Diameter, 10½ inches. Height, 6⅛ inches.
No. H140 Each $3.48

TEA KETTLES

No. H138 5 quarts....each $6.25
No. H139 7 quarts ...each 7.82
Packed one in a carton.

OVAL ROASTER

Best roaster made. Body and cover are seamless pressed and retain all the natural flavor and juices of food. Sanitary, easily kept clean. Sizes 16⅛x9⅛ inches over handles, 5⅞ inches high. Will take a large roast or fowl. Weight, about 2½ pounds.
No. H145 Each $7.17

LARGE OVAL ROASTER

For turkeys and large roasts. Size, 17x11 inches. Height, 7⅛ inches.
No. H146 Each $10.42

STEAMER PAIL

Capacity, 8 quarts.
No. H147 Each $7.17

FIVE-PIECE COMBINATION COOKER

Can be used as a double roaster, cake pan, steamer, pie dish, kettle, etc. Set consists of one 6 quart kettle with cover, one 2½ quart pan, one cake tube, one steamer pan.
No. H148 Each $6.52

TEN-PIECE COMBINATION DOUBLE ROASTERS

Can be used for double roaster, steamer, cake pan, bake dish, pudding dish, egg poacher, custard baker, jelly cake pan, etc. Lower and upper pans, 3½ quarts; diameter, 10¾ inches; depth, 3 inches. Inside pan, 1¾ quarts, 8 inches; 6 custard cups, ¼ pint, 2⅜x1⅜ inches; cup tray diameter, 10 inches, and disc diameter, 9½ inches.
Packed one in a carton.
No. H149 Each $6.25

BOLT AND SCREW CASES

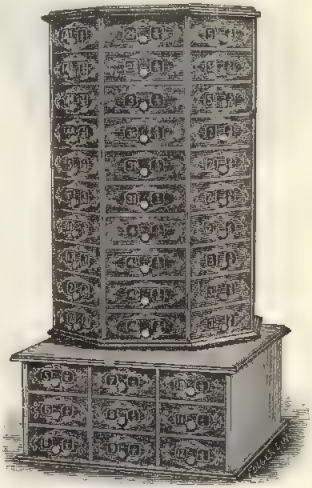
AMERICAN

Not carried in stock. Shipped direct from factory.

SCREW CASES

No.	Height in.	Width in.	Drawers	Wt. lbs.	Each
1	33	21	72	130	$33.00
2	36	21	80	130	37.50
3	39	24	88	135	42.00
4	42	24	96	135	46.00

BOLT CASES



No.	Height in.	Width in.	Drawers	Wt. lbs.	Each
1	60	30	98	380	$65.30
2	65	30	104	400	71.30

MONEY DRAWERS

No. 2

Oak front, varnished. Front, tray and interior woodwork varnished. Drawer grained. Heavy construction; large coin bowls. 4⅝ in. thick, 16¼ in. deep, 18¼ in. wide.

No.	Wt. per doz.	Per doz.
2	160 lbs.	$75.00

No. 5

Oak front, varnished. 4½ in. thick, 15 in. deep, 15 in. wide.

No.	Wt. per doz.	Per doz
5	120 lbs.	$57.00

One in a heavy carton.

FAFNIR BALL BEARINGS

QUALITY SERVICE

Dependability

At Hartford's general alarm fire on January 29th, when the store of G. Fox & Company was gutted by flame, failure of any part of the pumping machinery of Six American LaFrance Fire Engines would seriously have menaced the city's very existence.

All six engines ran perfectly and pumped water continuously until fire was under control.

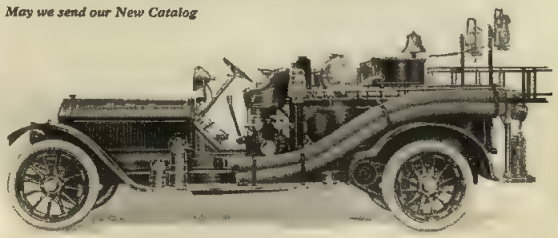
This engine pumped one thousand gallons of water per minute for 18 1-4 hours without a hitch.

Fire Engine Pumping Machinery must in every detail be *absolutely dependable.* The failure of a single bearing would spell disaster.

The pumps of American LaFrance Fire Engines are equipped with dependable

FAFNIR BALL BEARINGS

May we send our New Catalog



The Fafnir Bearing Company

Conrad Patent Licensee

Detroit Office: 752 David Whitney Bldg. Main Office and Factory: New Britain Conn. Chicago Office: 39 So. Clinton St.

Ames-ton

WORM-DRIVE TRUCK UNIT

A KENTUCKY THOROBRED

For FORDS
$425.00
3000 LB. (MAXIMUM)

AMESTON users are satisfied truck owners—because the Ameston gives real truck service. It is worm drive. The only worm drive truck unit made.

Business men realize that chain driven trucks are rapidly being replaced with *worm drive*.

Ameston Dealers are pros-

NO truck manufacturer has ever before attempted to market a worm drive truck of 3000 pounds capacity for less than twice the cost of the Ameston Truck Unit and Ford Chassis combined.

That's why everyone who investigates buys the Ameston.

The Ameston Worm Drive Truck Unit attached to a Ford makes a 3,000 pound worm drive truck of *unquestioned* durability. Everybody knows the Ford is dependable—and everybody knows that worm drive is dependable. It is an established fact.

Three Models

Model 20—120" *wheel base* $425
Model 44—144" *wheel base* $50 *extra*
Model 70—170" *wheel base* $100 *extra*

F. A. AMES COMPANY
(Incorporated)
OWENSBORO KENTUCKY

Don't Attempt to Spin Your Motor

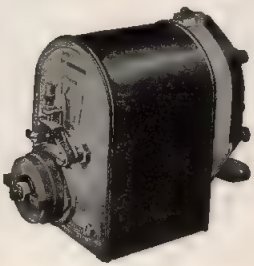
Spinning, or trying to spin, a truck motor is a hard, back-breaking and dangerous job—and more, it is not necessary.

With gas in the cylinder, there is no truck or automobile motor that you can't start **without batteries** on the first lift of the crank with a

TRADE K-W MARK HIGH-TENSION

Model T or TK MAGNETO

The first spark delivered by the TK is of maximum efficiency, and the motor must start. This type is built for trucks and heavy-duty work, and the effects of weather conditions, dirt, water and oil on its parts have all been provided for—its construction is fool-proof. It has stationary windings and a revolving rotor. It has no moving wires, collector rings, etc.

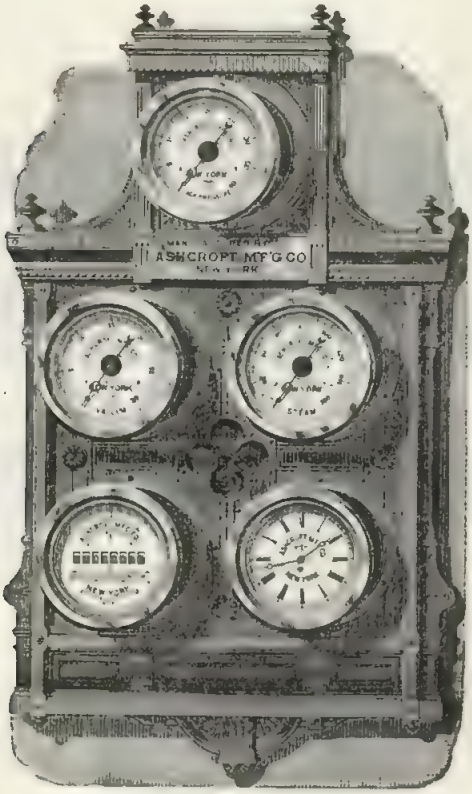


As a truck manufacturer, you will know that your customers have a right to expect sure-fire, no-trouble ignition, and the elimination of troublesome batteries.

Write today for catalog which shows in detail the installation and construction that makes such claims possible.

GAUGES

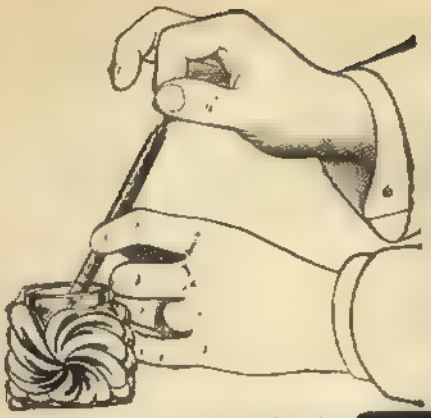
FRAME FOR SETS OF INSTRUMENTS



For engine room of factories, corporations, mills, water works, steamships, etc.

This cut represents one of many designs of an ornamental wooden frame on which to mount instruments. The gauges shown above, having blind back connections, present a neat and attractive appearance. They cost according to size, design and finish. Special metal frames and name plates to order. Orders should state whether blind back of the usual front bottom connections are wanted.

For prices of instruments, see their respective lists on the following pages.



THE "Autofiller" Pen
FILLS AND CLEANS ITSELF

The "Autofiller" Way Cleans and Fills Instantly

Non-Leakable New Safety Cap

Illustrations Show Actual Size

No Metal Parts to Spoil the Rubber.

No Springs to Get Out of Order

No Taking Apart.

Simplest and Most Perfect Self-Filling and Non-Leakable

"A Turn of the Barrel" Fills Pen

About 4 Inches Long When Closed

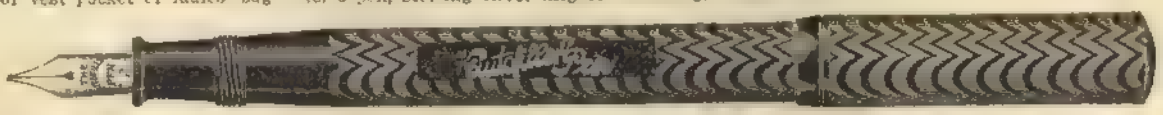
Fits any Pocket or Lady's Hand-Bag

No. 7598 For vest pocket or ladies' bag. No. 2 pen, each $3.35
No. 7599 For vest pocket or ladies' bag, with No. 3 pen, each 5.00
No. 7600 For vest pocket or ladies' bag, with No. 5 pen, each 7.00

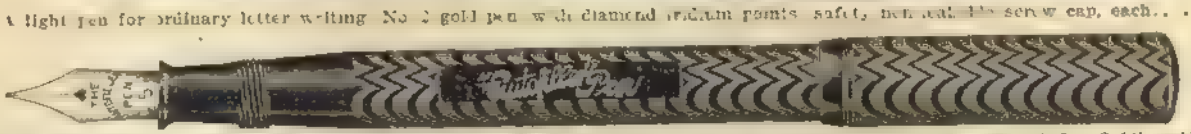
Open Full Length

No. 7601 For vest pocket or ladies' bag. No. 3 pen, gold plated band on cap, each ..... $ 7.00
No. 7602 For vest pocket or ladies' bag. No. 5 pen, gold plated band on cap, each 9.00
No. 7603 For vest pocket or ladies' bag. No. 6 pen, gold plated band on cap, each 10.00

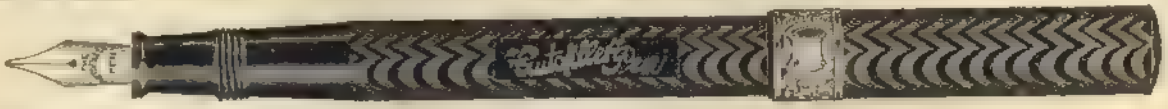
No. 7604 For vest pocket or ladies' bag. No. 2 pen, sterling silver filigree trimming, each $10.00
No. 7605 For vest pocket or ladies' bag. No. 5 pen, sterling silver filigree trimming, each 12.00
No. 7606 For vest pocket or ladies' bag. No. 6 pen, sterling silver filigree trimming, each 14.00



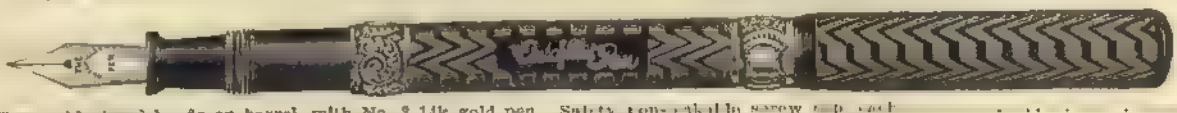
No. 7607 A light pen for ordinary letter writing. No. 3 gold pen with diamond iridium points, safety non-leakable screw cap, each $3.35



No. 7608 A light and most convenient business and office pen and particularly adapted for ladies' use. Equipped with No. 3 14k gold pen with diamond iridium points, with safety non-leakable screw cap, each $5.00
No. 7609 Specially designed satchel pen for business men who carry their pens in the pocket. Fitted with No. 5 14k gold pen, with diamond iridium points, with safety non-leakable screw cap, each 7.00



No. 7610 Gold plated band on cap, with No. 3 14k gold pen. Safety non-leakable screw cap, each ..... $ 7.00
No. 7611 Gold plated band on cap, with No. 5 14k gold pen. Safety non-leakable screw cap, each 9.00
No. 7612 Gold plated band on cap, with No. 6 14k gold pen. Safety non-leakable screw cap, each 10.00



No. 7613 Two gold plated bands on barrel, with No. 3 14k gold pen. Safety non-leakable screw cap, each ..... $ 7.00
No. 7614 Two gold plated bands on barrel, with No. 5 14k gold pen. Safety non-leakable screw cap, each 9.00
No. 7615 Two gold plated bands on barrel, with No. 6 14k gold pen. Safety non-leakable screw cap, each 10.00

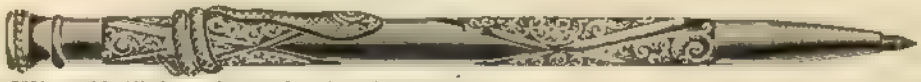
No. 7616 Particularly adapted for general business use. Is fitted with a large size gold pen which has the advantage of greater breadth, and therefore is the better adapted for rapidly executing large movements of bank work or the like. Equipped with No. 6 gold pen with diamond iridium points ..... $ 8.00
No. 7617 A large No. 7 14k gold pen with diamond iridium points. The largest size holder, so that more ink can be carried, making an extra fine pen and satisfactory in every particular, each $10.00

No. 7618 Filigree pen No. 2, black holder, silver filigree casing, each $10.00
No. 7619 Filigree pen No. 3, black holder, silver filigree casing each 12.00
No. 7620 Filigree pen No. 5, black holder, silver filigree casing each 14.00
These pens are all handsomely finished and guaranteed to give satisfaction in every particular. Made with non-leakable safety cap.

Gold Filled and Sterling Silver Clutch Pencils

Prices Each

No. 7587 $4.20
Gold filled, polished and E. T. telescope extends 5½ inches. Ring at top for fastening to Waldemar chain.



No. 7581 Gold filled, hand chased, polished snake clip . . . $4.50

No. 7582 Fine gold filled, hand engraved snake clip . . . $3.35
No. 7583 Sterling silver, hand engraved snake clip. . . . 3.35

No. 7584 Fine gold filled, E. T. snake clip . . . $2.65
No. 7585 Sterling silver, E. T. snake clip. . . . 2.20

No. 7588 Fine gold filled, snake clip . . . $ 2.85

No. 7588 Sterling silver, E. T. snake clip . . . $3.85

No. 7590 Sterling silver, polished snake clip . . . $3.75

No. 7591 Sterling silver, polished snake clip, magazine pencil holding 3 leads . . . $2.10

No. 7592 Sterling silver, polished and E. T. snake clip . . . $2.20

No. 7593 Sterling silver, polished and E. T. snake clip . . . $2.20

No. 7595 Sterling silver, E. T. clip . . . $1.70

No. 7594 . . . $2.10
Gold filled, polished and E. T. ring at top for fastening to Waldemar chain.

No. 7597 . . . $4.20
Extension pencil, extends 5½ inches. Gold filled, polished, and E. T. ring at top for fastening to Waldemar chain.

No. 7589 $2.20
Gold filled, polished and E. T. ring at top for fastening to Waldemar chain.

No. 7596 . . . $2.10
Gold filled, polished and E. T. ring at top for fastening to Waldemar chain.

A. A. Waterman & Company, Chicago, Safety Automatic Self-Filling Fountain Pens

Notice the Construction of the Screw Cap, which makes all these Pens Non-Leakable.

Ready for Use.

PLAIN BLACK, CHASED BLACK OR MOTTLED HOLDERS

No. 7621 Fitted with No. 2 gold pen, fine, medium or coarse, each $5.85
No. 7622 Fitted with No. 3 gold pen, fine, medium or coarse, each 8.15
No. 7623 Fitted with No. 4 gold pen, fine, medium or coarse, each. 9.25
No. 7624 Fitted with No. 5 gold pen, fine, medium or coarse, each. $11.65
No. 7625 Fitted with No. 6 gold pen, fine, medium or coarse, each. 13.95
No. 7626 Fitted with No. 7 gold pen, fine, medium or coarse, each. 16.25

WITH ⅛ INCH GOLD FILLED BAND, CHASED OR PLAIN HOLDERS

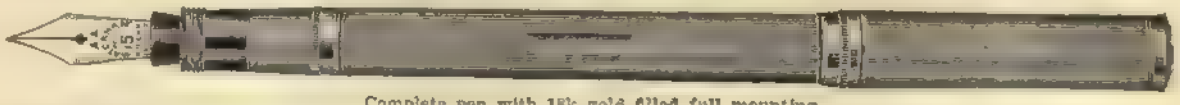
No. 7627 Fitted with No. 2 14k solid gold pen, with ⅛-inch chased or plain band, each. $ 8.15
No. 7628 Fitted with No. 3 14k solid gold pen, with ⅛-inch chased or plain band, each 10.45
No. 7629 Fitted with No. 4 14k solid gold pen, with ⅛-inch chased or plain band, each 11.35
No. 7630 Fitted with No. 6 14k solid gold pen, with ⅛-inch chased or plain band, each. 16.25

WITH ¼-INCH GOLD FILLED BAND, CHASED OR PLAIN HOLDERS

No. 7631 Fitted with No. 2 14k solid gold pen, with ¼-inch chased or plain band, each $ 9.25
No. 7632 Fitted with No. 4 14k solid gold pen, with ¼-inch chased or plain band, each 12.75
No. 7633 Fitted with No. 6 14k solid gold pen, with ¼-inch chased or plain band, each 17.35

Complete pen with 18k gold filled filigree.

No. 7634 Fitted with No. 5 14k solid gold pen, full mounted as per cut, each $22.50
No. 7635 Fitted with No. 3 14k solid gold pen, full mounted as per cut, each 20.25



Complete pen with 15k gold filled full mounting.

No. 7636 Fitted with No. 3 14k solid gold pen, full mounted as above, each $24.65
No. 7637 Fitted with No. 5 14k solid gold pen, full mounted as above, each 29.35

SHORT HOLDERS

No. 7638 Fitted with No. 2 14k solid gold pen, in plain black, mottled or chased holder, each $ 5.85
No. 7639 Fitted with No. 3 14k solid gold pen, in plain black, mottled or chased holder, each 8.15
No. 7640 Fitted with No. 4 14k solid gold pen, in plain black, mottled or chased holder, each 9.25
No. 7641 Fitted with No. 5 14k solid gold pen, in plain black, mottled or chased holder, each 11.65

FITTED WITH 18K GOLD FILLED BANDS, CHASED OR PLAIN, ⅜-INCH WIDE—SHORT HOLDERS

No. 7642 Fitted with No. 2 14k solid gold pen, plain or chased band, each $ 8.15
No. 7643 Fitted with No. 3 14k solid gold pen, plain or chased band, each 10.45
No. 7644 Fitted with No. 4 14k solid gold pen, plain or chased band, each 11.65
No. 7645 Fitted with No. 6 14k solid gold pen, plain or chased band, each 16.25

FITTED WITH 18K GOLD FILLED BANDS, CHASED OR PLAIN, ½-INCH WIDE—SHORT HOLDERS

No. 7646 Fitted with No. 2 14k solid gold pen, plain or chased band, each $ 9.25
No. 7647 Fitted with No. 3 14k solid gold pen, plain or chased band, each 11.65
No. 7648 Fitted with No. 4 14k solid gold pen, plain or chased band, each 12.75
No. 7649 Fitted with No. 6 14k solid gold pen, plain or chased band, each 17.35

No. 7650 Fitted with No. 2 14k solid gold pen, 18k rolled gold plate chased mounting, each $20.25
No. 7651 Fitted with No. 5 14k solid gold pen, 18k rolled gold plate chased mounting, each 27.00

The Improved Faultless Self-Filling Fountain Pen

The Most Perfect Self-Filling Fountain Pen Made

1863 1917

PRICES EACH

THE FAULTLESS SELF-FILLING FOUNTAIN PENS are of a very durable construction, yet so simple that they never get out of order. The reservoir is filled with ink by one pressure of the finger. They are made by skilled mechanics, from finest grade of material obtainable. The pen points are **EXTRA HEAVY 14 KARAT SOLID GOLD** tipped with the best **GENUINE IRIDIUM** that never wear out. All pens are furnished in fine, medium or stub points. Each pen guaranteed to give perfect satisfaction for **FIVE YEARS.** Every pen guaranteed not to leak, carry in any position as they are equipped with the improved Faultless non-leakable cap.

Bisected View Showing the Different Parts

No. 7652 No. 1 Gold pen, black, mottled or chased holder, each ... $3.35
No. 7653 No. 2 Gold pen, black or mottled holder, each ... 4.15
No. 7654 No. 3 Gold pen, black or mottled holder, each ... 5.00

No. 7655 No. 4 Gold pen, full chased holder, black or mottled, each ... $5.85
No. 7656 No. 5 Gold pen, black or mottled holder, each ... 6.65
No. 7657 No. 6 Gold pen, black or mottled holder, each ... 7.50
No. 7658 No. 7 Gold pen, black or mottled holder, each ... 8.35
No. 7659 No. 8 Gold pen, black or mottled holder, each ... 9.15

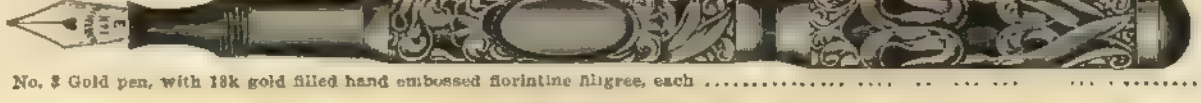
No. 7660 No. 2 Gold pen, black, mottled or chased holder, with a ⅜-inch 18k gold filled chased band on cap, each ... $5.00
No. 7661 No. 3 Gold pen, black, mottled or chased holder, with a ⅜-inch 18k gold filled chased band on cap, each ... 5.85
No. 7662 No. 4 Gold pen, black, mottled or chased holder, with a ⅜-inch 18k gold filled chased band on cap, each ... 6.65

No. 7663 No. 2 Gold pen, black, mottled or chased holder, with ⅜-inch 18k gold filled plain band on cap, each ... $5.85
No. 7664 No. 3 Gold pen, black, mottled or chased holder, with ⅜-inch 18k gold filled plain band on cap, each ... 6.65
No. 7665 No. 4 Gold pen, black, mottled or chased holder, with ⅜-inch 18k gold filled plain band on cap, each ... 7.50

No. 7666 No. 2 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... $5.00
No. 7667 No. 3 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... 5.85
No. 7668 No. 4 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... 6.65

No. 7669 No. 2 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... $5.85
No. 7670 No. 3 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... 6.65
No. 7671 No. 4 Gold pen, black, mottled or chased holder, with two 3/16-inch 18k gold filled chased bands on barrel, each ... 7.50

No. 7672 No. 2 Gold pen, with 18k gold filled flat filigree, each ... $10.00
No. 7673 No. 3 Gold pen, with 18k gold filled flat filigree, each ... 10.85
No. 7674 No. 4 Gold pen, with 18k gold filled flat filigree, each ... 11.65

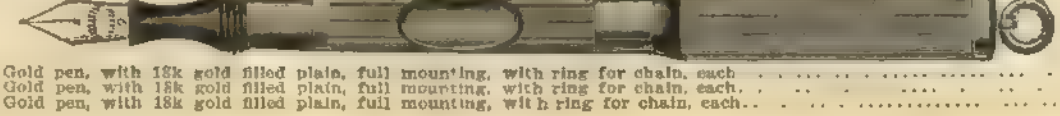


No. 7675 No. 3 Gold pen, with 18k gold filled hand embossed florintine filigree, each ... $13.35

SHORT HOLDERS

No. 7676 No. 2 Gold pen, black, mottled or chased holder, each ... $4.15
No. 7677 No. 3 Gold pen, black, mottled or chased holder, each ... 5.00
No. 7678 No. 4 Gold pen, black, mottled or chased holder, each ... 5.85

These short holders may be had with the same mountings as the long holders, listed above, at the same price as the long holders



No. 7679 No. 2 Gold pen, with 18k gold filled plain, full mounting, with ring for chain, each ... $13.35
No. 7680 No. 3 Gold pen, with 18k gold filled plain, full mounting, with ring for chain, each ... 14.15
No. 7681 No. 4 Gold pen, with 18k gold filled plain, full mounting, with ring for chain, each ... 15.00

BENJAMIN INDUSTRIAL SIGNALS

NATIONAL ELECTRICAL CODE STANDARD

SPECIFIC USES FOR BENJAMIN INDUSTRIAL SIGNALS

Industrial plants are demanding something more effective in the way of Calling or Warning Signals than the old type gong or vibrating bell

Benjamin Industrial Signals have a peculiar, penetrating tone pitch, which makes them by far the most effective form of Audible Signal for Industrial use. The following is a partial list of places where they should be used.

1. Factory signals; superintendent's and foreman's calls. 2. Signaling the opening and closing hours of labor. 3. Tell-tale or warning; for water tank levels, steam or gas pressures, sprinkler systems, etc. 4. Telephone signals in engine rooms. 5. Fire alarms. 6. Audible signals in connection with police systems. 7. Burglar alarms. 8. For central stations. 9. Traffic warnings for street crossings. 10. Railroad crossing signals. 11. Mine signals. 12. Street car signals. 13. Marine signals.

No. 8326H

WHY BENJAMIN INDUSTRIAL SIGNALS ARE BETTER THAN WHISTLES OR BELLS

1. Code signaling is more readily obtained. 2. They have greater volume of tone. 3. Tone is distinguishable over all other sounds. 4. They are more durably constructed. 5. First cost is less than that of good bell. 6. Maintenance is less than that for any other form of signal.

No. 8355A

DIRECT CURRENT SIGNALS

These D. C. signals are intended for use on multiple arrangement only, but may, under certain special conditions, be furnished for series operation. They may be employed successfully on circuits carrying a voltage as high as 250 volts, D. C. When six or eight signals are to be used on one system no lower voltage than 30 volts D. C. should be used.

No. 8326-H is arranged with cast back cover for ½-inch pipe connection, using a one-piece drawn brass projector. It should be mounted securely on a firm foundation in order to obtain the best results

Catalog No.	Type	Connection	Standard Voltage	Each
8326-H	Heavy service	½" conduit W. P.	110 D. C.	$12.00

Signal No. 8326-A is the same as No. 8326-H, except that it is intended for interior use only, and is not weatherproof. This signal will be equipped with special 14-inch conical projector for extra volume and depth of tone, at an advance of $1.00 in list price.

Catalog No.	Type	Connection	Standard Voltage	Each
8326-A	Heavy service	Open wiring	110 D. C.	$10.00

No. 8326A

Signal No. 8354-A, with conical, non-flaring projector, will be found of advantage where it is not desired to cover a wide area, but to confine the volume of tone straight ahead as far as possible

Catalog No.	Type	Connection	Standard Voltage	Each
8354-A	Factory	Open wiring	110 D. C.	$9.70

Signals for special voltage, up to and including 250 volts D. C., furnished at no advance in price.

No. 8152S

ALTERNATING CURRENT SIGNALS

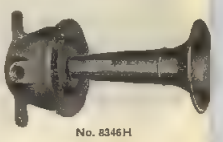
These signals may be operated successfully under practically all commercial conditions on multiple or series circuits, or in connection with vibrator or signal stroke gongs or other electrical signal equipment. When this signal is used in connection with other electrical devices, special windings are used to allow passage of sufficient current to operate the other devices on the same line. A 20% or 25% variation in voltage will in no wise affect the working of the signals. Weatherproof casings are recommended when signal is to be used outside.

Catalog No.	Type	Connection	Standard Voltage	Each
8152-L	Factory	Open wiring	110 A. C.	$ 7.00
8355-A	Factory	Open wiring	110 A. C.	7.30
8152-S	Weatherproof	Open wiring	110 A. C.	10.50
8346-H	Weatherproof	½" conduit	110 A. C.	10.00

No. 8152L

Signals Nos. 8152-L and 8346-H will be equipped with special 14-inch projector for extra volume and depth of tone, at $1.00 advance in list price.

Signals for special voltage, up to and including 250 volts, A. C., furnished at no advance in price.



No. 8346H

INDUSTRIAL SIGNALS FOR FIRE ALARMS

Nos. 8360-A and 8361-A are same style as illustration No. 8346 H finished red These signals operate with A. C. and D. C. current as shown in the listings below.

Catalog No.	Type	Connection	Standard Voltage	Each
8360-A	Fire Alarm	½" conduit	110 D. C.	$12.50
8361-A	Fire Alarm	½" conduit	110 A. C.	10.50

BENJAMIN INDUSTRIAL SIGNALS

NATIONAL ELECTRICAL CODE STANDARD

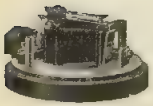
BENJAMIN TELECODE RELAY

In factories, mines, quarries, foundries, boat works, or wherever the noises necessary in industry rise to great volume, the ordinary telephone bell is ineffective. Here the Benjamin Telecode Relay and Industrial Signal is a necessity.

The Telecode Relay may be equipped for operation on telephone circuits, utilizing either A. C. or D. C., as their ringing energy. If for operation on standard telephone circuits, the relay is wound by resistance, as is standard practice in the telephone industry, and in ordering kindly specify the resistance of the telephone bells on the telephone system where the relay is to be installed. If the relay is to be used in conjunction with an intercommunicating telephone system, utilizing D. C. for its ringing energy, specify the voltage of the ringing current. The carrying capacity at the contacts of this relay are two Benjamin Industrial Signals when the latter are energized from a 110-volt lighting circuit current.

The Benjamin Telecode Relay makes it possible to greatly increase the efficiency of the telephone system by substituting for an ineffective bell the distinctive, powerful tone of the Benjamin Industrial Signal.

Catalog No.	Description	Each
8311-R	Telecode Relay, complete with pressed steel cover	$ 9.00
8311-WP	Telecode Relay, weatherproof	10.00



No. 8311R

BENJAMIN MASTER RELAY PANELS

Benjamin Master Relay Panels are arranged for use with the Benjamin Industrial Signals as a circuit-closing means, controlling the high voltage current to the industrial signals. The relay is of carbon contact type, arranged with primary opening switch and test button with four sets of binding posts for distribution of the various incoming circuits. The equipment is mounted on a substantial slate base, encased in a sheet steel box equipped with lock.

Catalog No.	Type	Magnet Winding	Each
8301-C	D. C. only	2, 4 or 8 volts	$20.00
8301-D	D. C. only	Special	21.00

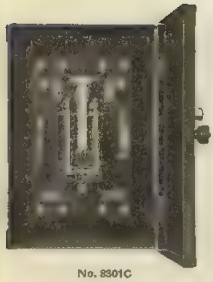
Master relay panels arranged for operation from A. C. circuits will be furnished at the same list price.

No. 8299M

MINE BUZZERS

These Benjamin Heavy Duty Mine Buzzers are weatherproof signals for use under severe conditions of service where great volume of tone is not desired. The tone, however, has a peculiar pitch, making them extremely effective as audible signals. These signals are furnished arranged with two types of casing, one for conduit installations and the other for use with open wiring. This type is same as illustration 8296-D, but with lead wires.

Catalog No.	Type	Connection	Standard Voltage	Each
8298-D	D. C.	Open wiring	110	$6.00
8299-A	A. C.	Open wiring	110	5.00
8347-M	D. C.	½" conduit	110	9.00
8299-M	A. C.	½" conduit	110	9.00



No. 8301C

MARINE BUZZERS

The Benjamin Special Marine Type Buzzer is designed with the idea in view of supplying an audible signal which will withstand the action of the sea atmosphere and produce a strong volume of tone of distinctive tone pitch. This signal is arranged for ¾" pipe connection, bulkhead mounting. Construction is such as to make this device durable under most severe operating conditions.

Catalog No.	Type	Connection	Voltage	Each
8299-M	Marine A. C.	½" conduit	110	$9.00
8347-M	Marine D. C.	½" conduit	110	9.00

No. 8295D

OFFICE AND FACTORY BUZZERS

These signals are effective for offices, stock rooms, shipping rooms, etc. The mechanisms are the same as those used in the standard Benjamin Mine Signals, but are not arranged with weatherproof casing.

Catalog No.	Type	Standard Voltage	Each
8296-D	D. C.	110	$5.00
8297-A	A. C.	110	4.00
8297-C	A. C.	*	5.00

*For higher voltages to and including 260 volts A. C.

NOTE: All Benjamin Alternating Current Buzzers may be wound for voltages as high as 260 volts A. C.

Direct Current Buzzers are not intended for use on circuits over 130 volts D. C. unless used in series with external resistance.

RAZORS AND BLADES

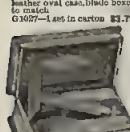
Including nationally advertised BRANDS.
Note the big line of nationally advertised safety razors. Big sellers— [illegible] many other values on this page.

"GILLETTE" SAFETY RAZORS

Standard ... triple silver plated holder, ...
$3.90

Pocket Type Plated ... steel with escutcheon ...
$3.50

...ver plated holder 12 blades, velvet lined gray antique leather oval case, blade boxes to match
G1027—1 set in carton **$3.75**



"Aristocrat" French ivory case, triple silver plated ... lined case, blade boxes to match
$3.75

Combination Outfit, in ... plated holder, 12 blades, beige hair shaving brush and stick of Gillette shaving soap in silver plated holders, leatherette covered blade boxes, genuine seal leather ...
G1730—1 set pkg...Set. **$4.75**

"STAR CRU STEEL" SAFETY RAZORS

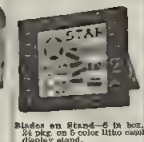
Made by Kampfe Bros., originators of safety razors. Neat and compact.

The New "Star Super-Six"

Razor ... brass holder, rigid ... steel blades, 6 displayed in case, 6 in pkg. in ...

"STAR" SAFETY RAZOR BLADES

Blades ... Lustrous finish sides, spring ...



Blades on Stand—6 in box, 24 pkg. on 5 color litho carol display stand.
G1033—24 pkgs. in outfit. Outfit **$6.24**

Special boxes of 4 extra pkgs. given free with cards ordered to match

"MARK CROSS" SAFETY RAZOR BLADE

G1030— Swedish steel hand honed ... Each in ...

"GILLETTE" SAFETY RAZOR BLADES

Gillette Blades—Wafer thin, double edge, extremely hard ...
G1006—8 in pasteboard box. ...

NEW "EVER READY" SAFETY RAZORS

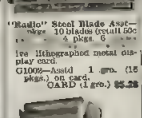
...profitable business.

...plean, patent top device allows removing blades with-

...2 nickeled blade boxes, hinge, hair brush with cord ...
$3.25

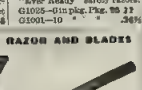
"EVER READY" SAFETY RAZOR BLADES

...ire lithographed metal display card.
G1005—Assid 1 grs. (15 pkgs.) on card.
CARD (1 grs.) **$5.28**



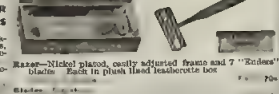
"Radio" Steel Blade Assortment ... 10 blades (count 5 ... 4 pkgs. 6 ...

Gold Plated Razor Set—Gold plated holder, 12 blades, 2 gold plated blade boxes, 12 blades, plush lined morocco leather case. Set
G1028—1 set in carton **$1.58**



"Radio" Steel Blades—For "Ever Ready" safety razors.
G1025—6in pkg. Pkg. 25 ...
G1001—10 " " .36¢

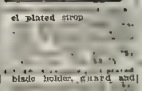
"ENDERS" DOLLAR RAZOR AND BLADES



Razor—Nickel plated, easily adjusted frame and 7 "Enders" blades. Each in plush lined leatherette box ...

DURHAM DUPLEX" DOMINO RAZOR SET

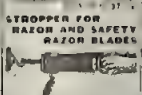
...el plated strop ...



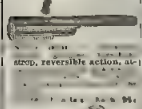
...blade holder, guard and ...

"DURHAM DUPLEX" SAFETY RAZOR BLADE

STROPPER FOR RAZOR AND SAFETY RAZOR BLADES



...strop, reversible action, at ...



Kanner's "Sydestreke" Nickeled frame ... horse ...

...ation produces a diagonal draw of the blade, insures a keen smooth edge.
G1093—1 in box. Ea. **$1.50**

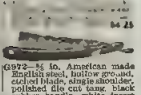
"ROYAL" STROPPER FOR GILLETTE BLADES

"VELVET" SAFETY RAZOR BLADE STROPPERS

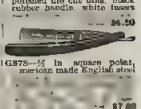
...ther ... razor blade japanned handles with instructions, 1 in box, ½ doz in pkg.
...for "Gillette" blades ... Doz **$4.00**
G1006—For "Ever Ready" "Gem Jr." and "Star" blades ... Doz **$4.00**

"BERKSHIRE SHEFFIELD STEEL RAZORS

$4.25



G972—⅝ in. American made English stock, hollow ground, nickel plated blade, single shoulder, polished die cut tang, black rubber handle, white liners ...
$4.50



G975—⅝ in square point, American made English steel ...
$7.00

"BERKSHIRE SHEFFIELD STEEL RAZORS

... blade, concave hollow ground, polished, gold etched, double ...
$9.00

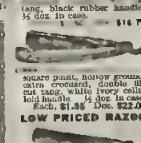
WADE & BUTCHER RAZORS

Each razor guaranteed perfect.

... cut tang black rubber handle. 1 in case.
G969—Square point..| Each
G963—Round " ..| Ea.

J. R. TORREY RAZOR CO'S ENGLISH STEEL RAZORS

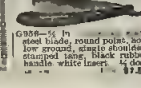
Fully guaranteed



... tang, black rubber handle ½ doz. in case.
$14.75

... square point, hollow ground, extra oversized, double ... cut tang, white ivory celluloid handle ... ½ doz. in case. Each, **$1.88** Doz. **$22.00**

LOW PRICED RAZOR



G958—⅝ in ... steel blade, round point, hollow ground, single shoulder, ... stamped, black rubber handle white insert. ½ doz.
$7.50

"NEVER DULL" SAFETY RAZOR BLADES

Finest quality tempered steel, each guaranteed in perfect condition— 3 in pkg. to retail at 30c. Fits "Ever Ready," "Gem Jr." and other makes

G1688 Blades ... pkg ... pkgs ... ...ved

CARD (25 pkgs.). **$1.50**

This Letter Tells the Tale

AVAILABLE TRUCK COMPANY

Manufacturers of AVAILABLE Motor Trucks

CHICAGO

November 24, 1916

Schwarz Wheel Co.,
Philadelphia, Pa.

Gentlemen

The quality of your wheels has just been proven to us. One of our trucks was hit by a street car and every spoke in the right rear wheel twisted out of shape.

The truck was driven to the factory after the wheel was pried back into shape enough to pass the springs.

Not a spoke was broken through. The fiber of the wood was straight and perfect.

When we looked at this wheel we knew why Schwarz Wheels had never caused us any trouble.

Yours very truly,

THE AVAILABLE TRUCK CO

Edw. F. King

SCHWARZ WHEELS

Prove Their Quality on Available Trucks

Schwarz Wheels are noted for their strength. The fact that it is much in excess of that of ordinary wheels is one of the reasons why Schwarz Wheels are so extensively used.

This superiority is due—
first, to the choice of proper materials, and second, to the patented Schwarz spoke construction, that gives a strength and rigidity not obtainable by other methods.

All users of Schwarz Wheels are satisfied with the service they get. It is so uniformly good that it becomes commonplace and the wheels are not given due thought and credit until an emergency proves their worth.

Note the last sentence in Mr. King's letter: "—we knew why Schwarz Wheels had **never** caused us any trouble." Can you say that about the wheels on your trucks? If not, it's time you joined the ranks of Schwarz users. They'll serve you just as well as they do Mr. King and other truck makers.

Another truck maker will tell of his experience with Schwarz Wheels next month.

PATENTED
The SCHWARZ WHEEL CO.
Frankford, Philadelphia,
Pennsylvania

MAXFER

THE WHALE FOR WORK

TON TRUCKMAKER

The Leading Attachment for Fords

The Maxfer Truckmaker for converting the Ford into a one-ton truck has become so famous for its dependability, efficiency and economy that it needs no introduction or argument. It is the most practical attachment offered, and the demand is becoming tremendous.

The Maxfer-Ford combination is just the thing for the merchant who is seeking the lowest priced reliable ton truck obtainable. Maxfer dealers are making big profits and laying the foundations for a mighty prosperous business.

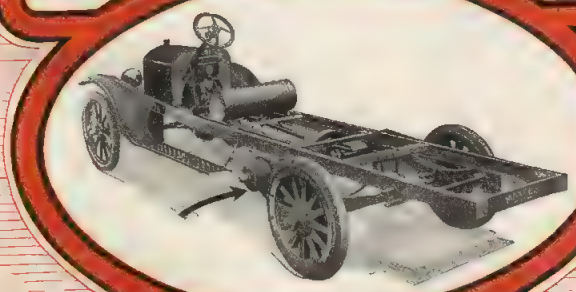
There are many business men in your territory who will be glad to get a first-class truck for

$350 *PLUS A FORD*

Some good territory is open—apply without delay.

MAXFER TRUCK & TRACTOR COMPANY

5023-35 S. Wabash Ave. CHICAGO, ILLINOIS



Carrying Beans in Boston

Certainly that's the most popular job in Boston if we may believe all reports.

And yet there's a business side to it.

The delivery of Boston's famous product requires speed, reliability and economy and, because the deliveries are many to the down-town resturants, the car that makes the deliveries must be flexible and easy to handle in congested traffic.

That's why the Boston Baked Bean Company selected the

Tonford TRADE MARK **$325** F. O. B. DETROIT

Low Priced **Reliable** **Economical**

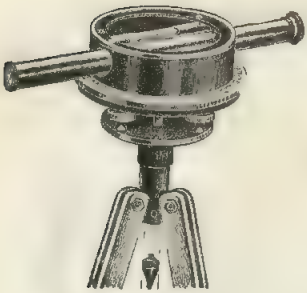
The "Tonford" has proved the most amazing success. This attachment, consisting of frame, axles, wheels, chains and sprockets is attached to Ford chassis and makes a splendid one-ton truck with a wide factor of safety for overloads. You can have any style body, and a load-carrying space anywhere from 6 to 9 feet back of the driver's seat.

Those merchants and manufacturers who get down to "brass tacks" on the delivery proposition now *know* that there is positively no other one-ton truck they can buy so *cheaply, so efficient*, so altogether *reliable* and unqualifiedly economical in first cost and after cost as the "Tonford"

Dealers: We are making immediate deliveries. Tonford sales are growing daily. Tonford dealers are making money. We give you the best *sales* and the most helpful *selling plans*. Write at once.

DETROIT TRUCK COMPANY
Detroit, Michigan

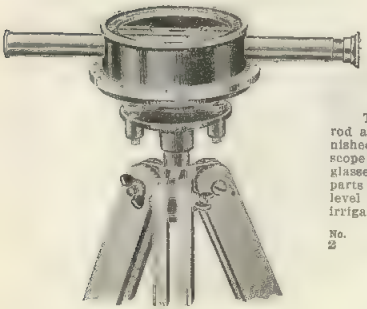
BOSTROM LEVELS



BOSTROM IMPROVED BUILDERS' LEVEL

Constructed entirely of brass, highly finished and lacquered. Telescope has magnifying power of 10 to 12 diameters. Outfit includes level with telescope, tripod, plumb bob, graduated rod and target. Wooden case for level. Meets all requirements of builders and contractors. Full directions enclosed

No.	Wt. each	Each
8	13 lbs.	$25.00



BOSTROM IMPROVED FARM LEVEL

No. 2

The outfit consists of level with telescope, tripod, plumb bob, graduated rod and target, with full instructions for adjusting and operating. With varnished wooden case, with hinged cover and handle for carrying level. The telescope is equipped with focusing eye cap, and contains a system of magnifying glasses by which the target may be read one-quarter mile distant. All iron parts are black enameled. Telescope tube and level are polished brass. This level meets every requirement of all classes of farm work, such as ditching, irrigating, terracing, fencing, road building, grading, foundations and building

No.	Wt. each	Each
2	12 lbs.	$18.00

EXTRA PARTS FOR BOSTROM FARM LEVEL

	Each
Boxes	$1.00
Eye Caps	1.20
Lenses, Objective	3.00
Rods, Graduated	2.00
Targets	1.00
Tripods, Complete	4.00
Tripod Heads	1.00
Tripod Legs	1.00

	Per set
Screws, Leveling	$0.90
Screws, Telescope Adjusting and Vial	.20
Screws, Turret	.20

	Each
Screws and Springs, Center	$0.10
Vials, Mounted with Screws	1.50

PLUMB BOBS

NOS. 10 AND 20

CAN'T ROLL

Hexagon steel, nickel-plated. Screw top, accurately made, finely finished.

No.	Weight	Wt. per doz.	Per doz.
10	7 oz.	5 ¾ lbs.	$6.00
20	11 oz.	9 ¾ lbs.	8.00

One-half dozen in a box.

NOS. 5, 6 AND 8

NOS. 5, 6 AND 8

Cast brass, steel point, screw top.

No.	Weight	Wt. per doz.	Per doz
5	6 oz.	4 ½ lbs.	$ 7.50
6	11 ½ oz.	8 ½ lbs.	10.50
8	16 oz.	12 lbs.	12.50

One-half dozen in a box.

NOS. 1 S, 2 S AND 5 S

STANLEY

Adjustable, steel point, complete with line

No.		Wt. per doz.	Per doz.
1 S	Small, bronze	6 lbs.	$18.00
2 S	Large, bronze	10 lbs.	21.00
3 S	Large, iron	9 ½ lbs.	11.04

One-twelfth dozen in a box.

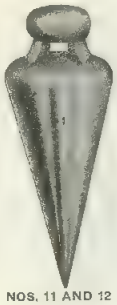
STEARNS

NOS. 11 AND 12

Nickel-plated iron. Accurately made, highly finished.

No.	Weight	Wt. per doz.	Per doz
11	5 ⅛ oz.	4 ⅝ lbs.	$3.00
12	14 ⅜ oz.	11 lbs.	4.00

One dozen in a box.



NOS. 11 AND 12

NOS. 1 TO 0

NOS. 1 TO 0

Cast iron, japanned.

No.	Weight	Wt. per doz.	Per doz
1	9 oz.	7 ½ lbs.	$2.00
00	18 oz.	13 ⅝ lbs.	4.00
0	42 oz.	29 lbs.	8.00

No. 1, one dozen; No. 00, one-half dozen in a box; No. 0, loose.

TROWELS

BRICK

Forged from crucible trowel steel, full polished, full taper ground straight blades, oil tempered, spring points, polished maple handles. **Fully warranted.**

CALIFORNIA PATTERN

No.	Size blade	Wt. per doz.	Per doz
210 ½	10 ½ x 6 ½ in.	13 ¾ lbs.	$18.00
211	11 x 6 ¼ in.	14 lbs.	18.00
211 ½	11 ½ x 6 ¼ in.	15 lbs.	18.00
212	12 x 6 ¾ in.	15 ¾ lbs.	18.00

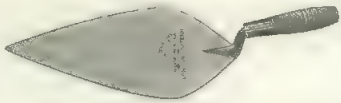
One-half dozen in a box.

PHILADELPHIA PATTERN

No.	Size blade	Wt. per doz.	Per doz
310	10 x 5 in.	11 ½ lbs.	$17.00
310 ½	10 ½ x 5 ⅛ in.	12 ½ lbs	17.25
311	11 x 5 ½ in.	14 lbs	17.50
311 ½	11 ½ x 5 ¾ in.	15 ½ lbs.	17.75

One-half dozen in a box.

DISSTON'S BRICK



No. 5—LONDON PATTERN

Cast steel, polished.

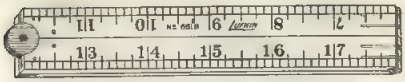
No.	Length	Wt. per doz.	Per doz
5	9 in.	10 lbs.	$ 9.00
	9 ½ in.	10 lbs.	9.50
	10 in.	11 lbs.	10.00
	10 ½ in.	11 ¾ lbs.	10.50
	11 in.	11 ¾ lbs.	11.00
	11 ½ in.	12 ½ lbs.	11.50

One-half dozen in a box.

RULES

TWO FOOT, NARROW

BOXWOOD RULES



Two feet, four fold, narrow, 1 in. wide, round joint, middle plates, 8ths and 16ths.

No.	Wt. per doz.	Per doz
651B	1¼ lbs.	$2.50

1 in. wide, square joint, middle plates, 8ths and 16ths.

No.	Wt. per doz.	Per doz
751	1½ lbs.	$3.00

TWO FOOT, FOUR FOLD, NARROW, WITH DRAFTING SCALES

1 in. wide, with drafting scales, square joint, half bound, 8ths, 10ths, 12ths and 16ths.

No	Wt. per doz.	Per doz.
771	2 lbs.	$6.50

Square joint, full bound, 8ths, 10ths, 12ths and 16ths.

781	2¼ lbs.	$ 8.00

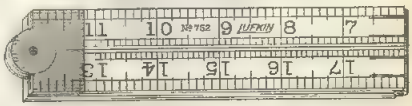
No.	Wt per doz.	Per doz.
781C	3 lbs., with caliper	13.50

THREE FEET, FOUR FOLD

1 in. wide, arch joint, middle plates, 8ths and 16ths.

No.	Wt. per doz.	Per doz.
3851	2 lbs.	$6.00

TWO FOOT, FOUR FOLD, BROAD



1⅝ in. wide, with drafting scales, square joint, middle plates, 8ths and 16ths.

No.	Wt. per doz.	Per doz.
752	2 lbs.	$41.00

CALIPER

CALIPER

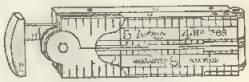
6 in. square joint, 8ths, 10ths, 12ths and 16ths, ⅞ in wide Two fold.

No.	Wt. per doz.	Per doz.
171	¾ lbs	$4.50

12 in. square joint, 8ths, 10ths, 12ths and 16ths, 1⅝ in. wide. Two fold.

No.	Wt. per doz.	Per doz
372	1⅝ lbs.	$6.50

One-half dozen in a box.



One foot, four fold, square joint, full bound, 8ths and 16ths, ⅝ in. wide.

No.	Wt. per doz.	Per doz.
378	1⅛ lbs.	$12.00

STEEL POCKET RULES

Folding flexible spring steel, patent stop joints, graduated to 16ths, both sides; 3 in. joints, 8 fold, ⅜ in. wide, 28 gauge.

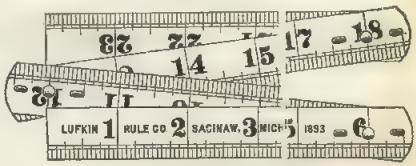
No	Length	Wt. per doz.	Per doz.
1132	2 ft.	7 oz.	$10.00

Folding flexible spring steel, patent stop joints, graduated to 16ths, both sides; 6 in. joints, 4 fold, ⅜ in. wide, 26 gauge.

No.	Length	Wt. per doz.	Per doz.
1162	2 ft.	10 oz.	$10.00

One-twelfth dozen in leather case; one-half dozen in box.

STEEL ZIG ZAG RULES



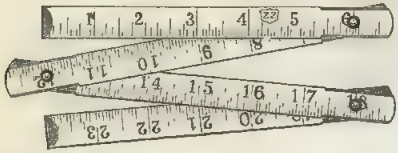
Nos. 4642 to 4644

Made of tempered steel, ½ in. wide, No. 24 gauge. Six inch joints with patent stop. Graduated inches and 16ths on both sides.

No.	Length	Wt. per Doz.	Per Doz.
4642	2 ft.	⅜ lbs.	$15.00
4643	3 ft.	1½ lbs.	22.20
4644	4 ft.	2⅝ lbs.	30.00

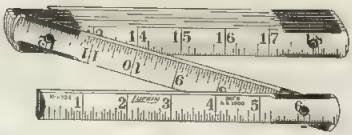
One-half dozen in box.

RULES AND TAPES



Flexible hardwood, concealed spring joints, marked consecutive inches. Yellow enameled.

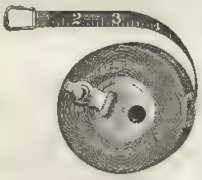
No.	Length	Wt. per doz.	Per doz.
03	3 ft.	1½ lbs.	$3.30
04	4 ft.	2 lbs.	4.40
05	5 ft.	2¾ lbs.	5.50
06	6 ft.	3¼ lbs.	6.60
08	8 ft.	4¼ lbs.	8.80



Flexible hardwood, with riveted spring joints, marked consecutive inches. Yellow enameled.

No.	Length	Wt. per doz	Per doz.
8523	3 ft.	1½ lbs.	$3.00
8524	4 ft.	2 lbs.	4.00
8525	5 ft	2½ lbs.	5.00
8526	6 ft.	3 lbs.	6.00
8528	8 ft	4 lbs	8.00

MEASURING TAPES



CHALLENGE

Steel, folding flush handle, opened by pressing pin on opposite side. Hard leather steel lined case, nickel-plated trimmings; ⅜ in. steel tape. Instant readings. Graduated in feet, inches and eighths.

No.	Length	Diam.	Wt., oz.	Each
260	25 ft.	2¾ in.	6	$3.25
263	50 ft.	3¼ in.	10	4.00

One in a box.

RELIABLE

Steel, double folding flush handle, opened by pressing button on opposite side, hard leather steel lined case, nickel-plated trimmings; ⅜ in. steel tape. Measurements guaranteed accurate. Instantaneous readings. Graduated in feet, inches and eighths.

No.	Length	Diam	Wt oz	Each
200	25 ft	2¾ in	8	$4.50
208	50 ft.	3¼ in.	13	7.20

One in a box.

No. 1260 to 1266

Folding flush handle, opened by pressing pin on opposite side. **Hard leather steel lined case,** nickel plated trimmings, ¼ in. steel tape. Instant readings. Graduated in feet, inches and sixteenths.

No.	Length	Diam. in.	Wt. oz.	Each
1260	25 ft.	2¼	4	$3.00
1263	50 ft.	2⅞	6	3.50
1266	100 ft.	3¾	10	5.75

One in a box.

RIVAL

Steel, folding flush handle, opened by pressing pin on opposite side, nickel-plated steel case with knurled edges, which affords a firm hold when winding tape; ⅜ in. steel tape. Instantaneous readings. Graduated in feet, inches and eighths.

No.	Length	Diam.	Wt., oz,	Each
240	25 ft.	2¾ in.	7	$2.75
243	50 ft.	3¼ in.	10	3.40

One in a box.

POCKET MEASURING TAPES

Nickel plated brass case, spring wind, center stop, ¼ in steel tape, marked in 16ths.

No.	Length	Wt. per Doz.	Per Doz.
143	36 in.	1 lb.	$ 7.00
145	60 in.	1¼ lbs.	9.00
146	72 in.	1½ lbs.	10.00

One-half dozen in box.

BOYCE MOTO METERS

STANDARD

$10.00 SIZE

MIDGET

$5.00 SIZE

JUNIOR

$2.50 SIZE

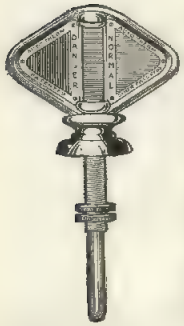
THE STANDARD MOTOR METER FOR ALL CARS

Black enamel, nickel rings, very thick beveled glass crystals. Casing made dust proof. Large indicating tube. No better "reasons for the price" can be given than its beautiful finish and extreme accuracy. Can be attached to any radiator cap in ten minutes.

Heavy nickel-plated frame thermometer tube protected against breakage by two metal ribs. This size instrument appeals strongly to owners of medium size cars. Can be attached to any radiator cap.

Combines accuracy with strong construction, nickel-plated. Very fine for Fords or other small cars. Can, however, be used on any car.

AUTO THERM



The reliable heat indicator The normal side is reddish pink and the danger side, purple When temperature of water has increased so as to be dangerous the center tube, which is pink when normal, changes to a purple and is readily seen as there are no figures to read; a quick glance will advise you the condition of your engine. Can be attached to your radiator cap in less than ten minutes with the aid of only a drill and a small wrench to tighten the nuts. The descending tube, which rests directly in contact with the water in the radiator, is flexible and can be readily bent past any obstruction in the "neck" of the radiator

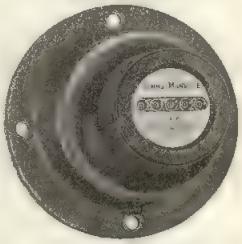
Standard size is japanned finish, 3¼ in. high; 4 in. wide

Junior size is nickel finish, 2¾ in. high; 3¼ in. wide.

No.	Weight	Each
Standard	8 oz.	**$3.50**
Junior	6 oz.	**2.50**

Individual boxes.

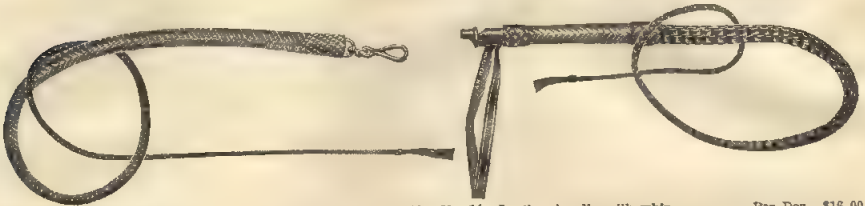
J. M. HUB ODOMETERS



The Johns-Manville Hub Odometer records the mileage travel of the vehicle to which it is attached It records every revolution of the wheel—forward and backward—daily, weekly, and monthly, in cumulative totals up to 100,000 miles, and then repeats. Through a reduction gearing, the revolutions of the wheel are transferred to an odometer movement inserted in the end of the hub cap. This odometer movement is made of brass with all wearing parts of steel. It is protected by a hub cap, substantially made of iron or brass, and in appearance is the exact duplicate of the original cap furnished as regular equipment except that it is one inch longer. It can be attached in a few minutes. There are no flexible shafts, gears or brackets necessary. Simply drill a small hole in the end of the axle, insert a pin to engage with the driving arm of the odometer, and then screw or bolt on the hub cap. You can keep a record of your truck performances with the aid of this instrument which is extremely valuable to the owner of a single truck or a fleet. It enables the immediate perception of every wasted turn of a wheel. It will withstand severe usage. There is no expense for upkeep—it is practical reliable and accurate. Made to fit all makes and models of trucks or pleasure cars

	Each
Malleable Iron	**$10.00**
Brass	12.00

DOG WHIPS



No. 4. Braided rawhide . . . . . Per Doz. $12 00
No. 5. Braided rawhide, extra fine . . . . . Per Doz. 24 00
No. 60. Drover Whips, for Alaska dog teams, 6 feet long . . . . . Per Doz $18 00

No. 14. Leather handle with whip. . . . . Per Doz. $16 00

DOG LEADS

Browns

No. 7BP. Polished steel, length 5 feet . . . . . Per Doz. $4 00
No. 7BNP. Nickel plated, length 5 feet . . . . . Per Doz 5 00
One Dozen in a Box.

Triumph

No. 7TP. Polished steel length 5 feet . . . . . Per Doz. $5 50
No. 7TNP. Nickel plated, length 5 feet . . . . . Per Doz 6 50

LEATHER DOG LEADS

No. 861. ⅞ inch, round braided leather, length 4 feet . . . . . Per Doz. $6 00
No 869. ¼ inch, round braided leather, length 4 feet . . . . . Per Doz. 9 00
One Dozen in a Box.

KENNEL CHAINS

Browns

Polished Steel, Two Swivel Snaps, Swivel Center.

Nos.	7	6	5	4	2
Per Doz.	$3 50	3 75	3 75	4 50	6 00

Triumph

Electro Galvanized. Two Swivel Snaps, Swivel Center.

Nos.	7	6	5	4	2
Per Doz.	$5 00	5 00	5 50	5 75	7 00

One Dozen in a Box.

DOG COUPLERS

No. 897. Light, nickel plated, 9½ inches long . . . . . Per Doz. $5 00
No. 898. Medium, nickel plated, 12 inches long . . . . . Per Doz. 6 00
No. 899. Heavy, nickel plated, 10½ inches long . . . . . Per Doz. 6 50
One Dozen in a Box.

DOG CHAIN ASSTS
On Display Hooks

H3901—4 sizes, 4½ ft., stand. and pattern twisted steel wire links, swivel snaps with toggle and hold bar. 1 doz. on display rack.... Doz. $1.20

SKINGS

H3955 — 3 sizes, 1½ ft. American cut and Niagara pattern steel wire links swivel snaps. Assrtd. 1 doz. steel display racks Dz. $1.65

DOG CHAINS

Bright Steel 4 ft. double jack swivel end, steel snap and bar ends.
H3950 1 doz. in box
Doz. 95c

Bright Wire—No. 6 size, 4½ ft., 1/4 in bright wire links, bar end, heavy cross bar grip toggle and swivel snap.
H3000—1 doz. in box
Doz. $1.05

DOG MUZZLE ASSTS.

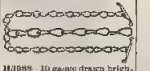
Leather 4 sizes, ¾ in. stock. For medium size dogs, fox terriers, etc.; selected leather straps, riveted nickeled buckles.
H3945—Assrtd. 1 doz. in box
Doz. 92c

Wire 3 sizes, 11 gauge tempered wire extra steel strap neck fastener, pennits dog to eat but not to bite
H3944—Assrtd. 1 doz. in box
Doz. $3.00

CHAIN COW TIE

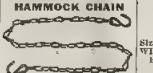
No. 1 Bull Dog—20 ft., heavy wire, bright finish. Eureka link, testing 3½ in. swivel snap in mouth bag.
H3967—½ doz. in pkg.
Doz. $3.75

CHAIN TIE



H3988 10 gauge drawn bright steel wire, Eureka link, 44 in. long. 1 doz. in box
Doz. $1.50

HAMMOCK CHAIN



H3944—36 in. long, strong "Triumph" link heavy steel hooks, anti-rust galvanized, tested to 1200 lbs ½ doz. pr. in box. Doz. pr. $1.10

HARNESS BREAST CHAIN

Breast Chain—32 in. double, bull dog snaps, center slide snap, heavy tapered chain, malt. rubber finish.
H3963—½ doz. prs. in box.
Each $1.00

DAILY use of this catalogue will enable you to reduce costs quicken the turn and save you time. Will any other seller, man or book, do as much?

ANIMAL TRAPS

Made by the Oneida Community. Mark d with the celebrated "

ONEIDA "VICTOR" TRAPS

Malleable iron jaws tempered steel springs, for small game. The quickest, safest and great of all low priced traps

Size 0 3½ in. spread For rats and gophers
WITHOUT CHAIN—
H4065—1 doz. in pkg. Doz. 70c
70 doz. in bbl. $6.75
WITH CHAIN
H4055—1 doz. in pkg. Doz. $1.02
55 doz. in bbl
Size 1—4 in. spread, with chain. For muskrats, skunks, etc.
H4056—1 doz. in pkg Doz. $1.20
40 doz. in bbl
Size 1½—4¾ in. spread, with chain. For minks, etc.
H4057—1 doz. in pkg. Doz. $1.80
25 doz. in bbl.

ONEIDA "NEWHOUSE" TRAPS

Highest grade steel, never fail to catch and hold. For professional trappers Tempered crucible steel springs each with chain

Size 1—4 in. spread, with chain. For muskrats, minks, etc.
H4060—½ doz. in pkg., 30 doz. in bbl Doz. $2.63
Size 1½—5¾ in. spread, with chain. For skunks and larger animals.
H3951—½ doz. in pkg., 25 doz. in bbl Doz. $3.95
Size 2—6½ in spread, with chain. Double spring extra strength. For foxes, etc.
H3962—½ doz. in pkg., 15 doz. in bbl. Doz. $5.84

ONEIDA COMMUNITY JUMP TRAPS

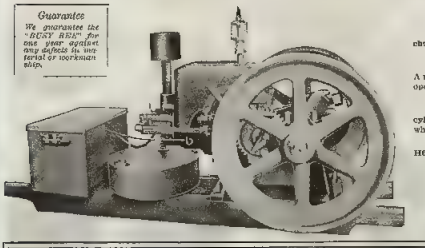
Double spring with malleable iron jaws, when set lies flat.

Size 0—4 in spread chain, ring and locking bar. For rats gophers and small animals.
H4066—1 doz. in box Doz. $1.38
12 case
Size 1—5½ in spread, chain ring and locking bar For muskrats woodchucks etc
H4061—1 doz in box Doz. $1.63
12 case
Size 1½—6 in spread, chain ring and locking bar For coons, minks or skunks.
H4062—1 doz. in box Doz. $2.44
12 case

"BUSY BEE" 1½ HORSE POWER GASOLINE ENGINE

Economical—Easy Running—Reliable

Guarantee
We guarantee the "BUSY BEE" for one year against any defects in material or workmanship.



Ideal for the small shop, factory or farm Specially adapted for running light machines—churns, cream separators, grindstones, feed cutters, etc.

A high grade, popular size machine. Fully guaranteed We build and handsomely finished A necessity on every farm—takes up but small space—and requires very little attention. Can be operated by anyone.

NOTE THE FEATURES: 1½ horse power, four cycle, 3½x3½ long stroke powerful cylinder, lever speed regulator, always certain, no fussing with thumb nuts, can be regulated while running double pulley very convenient, saves time where different speeds are desired.

H6491—1½ horse power, four cycle 3½x3½ long stroke powerful cylinder, speed 400 to 600 revolutions per minute, double pulley 4x8, and 2¼x1½, 18 in fly wheels, 1¾ in. crank shaft, water cooled, make and break ignition 45x22 in. floor space With standard equipment: skids, battery box, 6 dry cells, connecting wires, jump spark, coil switch, spark plug, spark timing lever gasoline tank, cart motor, speed lever governor, muffler pulley, cylinder oiler connecting rod oiler starting crank, 1 qt. cylinder oil, 1 lb. cup grease, squirt oil can, wrenches and book of instruction, 1 in crate, 275 lbs. Each **$29.50**

CREAM SEPARATORS "RED STAR" Centrifugal

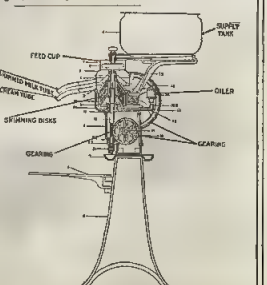
Not only economical in price but in service as well Gets the full cream value from the milk and saves costly wastage. The easiest running, most sanitary and most durable separator ever offered at anything like the price

Closest skimming easiest running, most sanitary constructed cream separators on the market. Produces a smooth cream of any density and richness desired. **Skimming**, Disc bowl perforated distributor and equalizing sleeve increases skimming capacity **Feeding**—Equal uniformity from supply tank to discs or space between discs, each disc does an equal and full proportion of skimming, will skim with greater efficiency and durability under a larger variation of temperatures than any other. **Gearing**—Highest grade material and workmanship throughout, both gear and pinion cut with helical teeth, insuring strength and easy running, case hardened polished steel pinion, clutch and spiral shaft, highest grade phosphoral bronze spiral wheel spiral rockpart made of best speed metal procurable. **Spring**—Elliptical radical cushion spring produces durability and quiet running, gear case and frame of best grade gray iron. **Oiled**—Sight feeding close oiler, automatic spray principle **Finish**—Tinware all one piece drawn sheet steel, heavily retinned black japanned frame and stand, gold stripes. Each size separator will skim to its full rated capacity, producing a fine smooth cream of any density and richness desired. **We Guarantee** when properly set up will run the number of revolutions given on crank. It will skim milk to a wider range of temperatures clean or cleaner than any other separator manufactured Should any part show a defect it will be replaced free of charge. **Packing**—Each in crate.

H1682—(Mfrs. 25) Cream separator, capacity 350 lbs., 1 to 8 cows. Crated 85 lbs. Each. **$28.00**

H1683—(Mfrs. 45) Cream separator with stand, capacity 450 lbs., 1 to 8 cows. Crated, 180 lbs Each. **$42.00**

H1684—(Mfrs. 70). Cream separator with stand, capacity 700 lbs 1 to 14 cows. Crated 236 lbs. Each. **$56.00**



CASE SIX

The Car *You'd* Build is this New Case Six

WERE you an automobile engineer, you'd combine in one car the excellencies of the many. You would pick and choose

That is what Case engineers and designers have done in building the new 1918 Case Six, their latest and best model. They have searched all Motordom for those proven features which meet the exacting demands of Case standards. The picture above gives an idea of the beauty of the car. The specifications below itemize its superiority.

Note how we have selected only the best to build into this car. Such an array is seldom seen in a single car. All are specially made to meet Case design and construction. For 76 years Case has stood foremost in the mechanical world.

Now twenty four great companies unite with Case, contributing their experience and master products to this Case Six

Were you building a car, you would want the fuel economy of the Case Six. You'd want its speed and beauty, its roominess and comfort, its many refinements. You'd want its responsive "pickup" and dependability.

And for all of this, you would have to pay much more than we ask. Only a great institution like this can build and distribute with a minimum profit

No wordiness is needed to win appreciation for this Case Six. To know its features is convincing. To see it and ride in it is conclusive. An illustrated folder will be sent upon request, including directions as to where you may inspect the new Case Six

Read These Brief Specifications

RIMS—Standard.

SPEEDOMETER—Stewart Warner driven on Transmission Drive Gears enclosed.

POWER TIRE PUMP—Kellogg. Located on Transmission—Drive Gears enclosed.

HORN—Klaxon.

BODY—Of superior quality—Splendidly designed and comfortably proportioned. Mahogany panelling in cowl board and in rear of front seats. The dash and two [illegible] lights are conveniently [illegible]. The Extra Seats [illegible] rear of the seats of the [illegible] seats fold and are dust proof

CUSHION SPRINGS—Cushion and back construction are Marshall type—soft, deep and upholstered over [illegible] with genuine [illegible]. The details of body and [illegible] are most carefully worked out.

WINDSHIELD—Set at a conservative rake—folding type—Ventilating, rain vision.

TOP—Courtland one man type. The deck is of [illegible] material, Whipcord [illegible]. The curtains fold into the deck or open with the doors.

HEADLIGHTS—Double Bulb and vertically adjustable to eliminate glare.

TIRE CARRIERS—Provide for one or two spare tires or one wire wheel.

The FAMILY model—for 7 or 5 people—color, dark blue. The FOUR DOOR SPORT model—for 4 people—color, Periscope Green. The ALL SEASONS model—Springfield Type—color dark blue

THE J. I. CASE T. M. COMPANY, Inc. (*Founded 1842*), 162 LIBERTY ST., RACINE, WIS.

CASE

This All-Feature Car Delights Dealers

HITHERTO cars of the finer class have won their fame from one or two outstanding features. All else was secondary.

The New Case Six is a unit of features All the major attractions have been combined in one car

This is a selling feature that will appeal to the knowing ones.

Some buy for beauty—the Case Six has it. Some want fuel economy—the Case Six has it. Some want speed—60 miles an hour is easy for the Case Six. Some want roominess and comfort—the Case Six has both.

And so it goes. All the features of the many are absorbed into this latter-day car.

Opposite is shown a page advertisement, reduced in size, which appeared in The Saturday Evening Post on September 29. Like advertisements will also appear in Collier's and The Literary Digest.

The public is not slow to recognize and want a car like this. Case dealers will enjoy a profitable season.

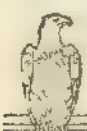
In several localities there are opportunities for keen business men to obtain this New Case Six for their patrons.

Perhaps *you*.

If you will write us, we will go into the proposition with you.

Compare—Then You Will Be Convinced

MOTOR—Case Continental Six—3½"x5¾" Cylinders in block.
ELECTRICAL EQUIPMENT—Westinghouse Separate Units. Starting Motor and Generator of abundant capacity. Willard 90-hour Storage Battery
SWITCH—Combination—for Ignition and Lighting on Steering Column. Key locked
WIRING—Protected by flexible conduit throughout.
CARBURETOR—Rayfield—Special.
FUEL FEED—Stewart Vacuum System—18 gal. tank in rear—Porcelain Dial Gas Gauge.



RADIATOR—Special Case made—Pump Circulation.

CLUTCH—Borg & Beck, with 10" Single Adjustable dry disc.
TRANSMISSION—Grant Lees with S. A. E. double row ball bearings—Nickel Steel gears and Shafts—Controls are convenient for your right hand.
AXLE—FRONT—Columbia—two Bock bearings in each wheel. Ball bearing Chrome Nickel Steering Knuckles.
AXLE—REAR—Columbia—¾ Floating—Ratio 4.5 11 to 1. Bock bearings throughout, two each in wheels, differential; and pinion shafts. Helical Gears and Pinion shaft are nickel steel—Drive shafts are 1⅜" Diam. Chrome Vanadium.

Continued on Opposite Page

FRAME—6" channel extra deep section Specially designed for Full Hotchkiss Drive
BRAKES—Extra large Drums 15"x2"—Service—External Emergency Internal.
UNIVERSAL JOINTS—Two—dust proof, with tubular propeller shaft.
SPRINGS—Semi-Elliptic long and wide—Front 2"x40", Rear 2½"x54". Alloy main plates with re bound top plates—anti squeak bronze bushings in all spring eyes.
STEERING GEAR—Jacox. Easy action—with 18" corrugated wheel
WHEELBASE—125".
WEIGHT—Under 3,200 pounds.
TIRES—35"x4½"—Goodyear SAE Carrying Capacity 4,400 pounds.

CASE

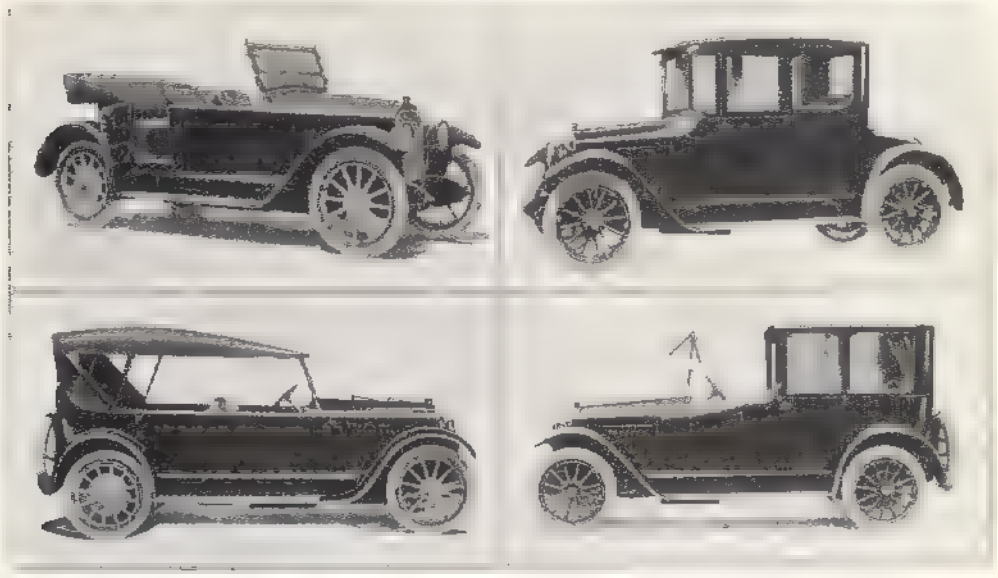
THE J. I. CASE T. M. COMPANY, Inc. (*Founded 1842*), 162 LIBERTY ST., RACINE, WIS.

Two Distinct Stearns Chassis

THE F. B. Stearns Co., Cleveland, Ohio, is producing two separate chasses, a "Four" and an "Eight." These chasses are offered in the leading body styles, including roadster, touring car, coupe, limousine, landaulet and laundaulet brougham

The new seven-passenger Stearns Eight is a modern, up-to-the-minute car. From the radiator to the rear of the tonneau, the lines are graceful, clean sweeping and harmonious. The rugged Stearns chassis and the Stearns-built-Knight engine from the foundation for these bodies. The cantilever springs, together with the long grain leather upholstery, provide extremely comfortable riding qualities. Body designs in the Stearns closed car models lend a pleasing air of distinction. Clean sweeping, yet graceful and harmonious lines further evidence distinction in these Stearns cars. In all models equipment includes two unit starting and lighting system, double bulb head lights, number carrying tail light, trouble light attachment, clock, speedometer, oil gage, gasoline gage, storm-proof windshield, tire carriers, one extra rim and complete tool kit. The eight-cylinder chassis sells for $1850 f.o.b. Cleveland, while the different body types list at: Touring car, $2375; four-passenger roadster, $2375; coupe, $3075 coupe landaulet, $3075; limousine, $3686; landaulet, $3785; landaulet brougham, $3785

Simplicity is emphasized in the body of the Stearns five-passenger "Four." A distinct feature of the four passenger roadster "Four" is its having three doors, one of which admits entrance to the tonneau without passing through the driver's compartment. The closed car models of the "Four" are in keeping with the Stearns practice also, of creating attractive yet dignified body designs. There is a wide choice of color schemes from which to choose, for both exterior and interior.



Three of the Body Types Offered on the Stearns "Four" and One of the Models on the "Eight"

The illustration in the lower left hand corner shows the Stearns eight cylinder, seven passenger touring car while the others are all of the "Four" model including the four-passenger roadster, the four-passenger coupe and the limousine brougham

The Knight principle, which has been perfected by six years of Stearns practice, is one of the reasons for Stearns-Knight high standard. The sleeve type principle eliminates the grinding of valves, and results in a quiet, smooth running engine Another feature is the counterbalanced crankshaft which equalizes pressure on the bearings and eliminates crankshaft whip.

The prices of the four-cylinder chassis is $1425 The various body models list as follows Touring car, $1585; four-passenger roadster, $1585; coupe, $2150; limousine brougham, $3100; landaulet, $3100; landaulet brougham, $3200, and the convertible sedan $2385.

The Stearns "Four" and "Eight" chasses are both very similar insofar as specifications are concerned and only the differences will be here noted. The engine in the "Four" is a 3¾ x 5⅝ in., Stearns-built Knight sleeve-valve type, having 22.5 h.p., S. A. E. rating. The "Eight" has a 3¼ x 5 in Stearns-built Knight sleeve-valve engine having 33.8 h.p., S. A. E. rating. Lubrication is by combined force feed and splash system and a gear pump is used in this connection. The "Four" model has a Sheb-ler carburetor, while the "Eight" has a Rayfield. Ignition is by a Remy distributor. A two-unit, twelve-volt starting and lighting electric system is used. Klaxet horns are operated by a push button in the center of the steering wheel. A cellular type radiator, together with a pump, is employed in the cooling system of the "Four," while that of the "Eight" is the thermo-syphon system. The clutch is of the Stearns multiple disc type. The transmission has the regular three speeds forward and one reverse.

The front axle is an I-beam, drop-forging with a tie rod in the rear. It is heat treated and furnished with Timken bearings. The rear axle is of the semi-floating type and is furnished with Hyatt high duty roller and ball bearings. Service brakes are contracting on the transmission shaft; emergency, expanding on rear wheel drums. Wooden wheels are fitted with 35 x 4½ in. tires on the eight-cylinder model and different sized tires on the various four-cylinder models. Front springs are semi-elliptic, while the rear are of the full cantilever type. An 18-gallon gasoline tank is located at the rear, and the Stewart vacuum feed system is utilized. Fenders are black and of the crowned pattern, while tops are of the one-man type, furnished with door-opening curtains. All instruments are mounted on the dash within easy reach of the driver The wheelbase of the "Four" model is 119 in. and the weight, fully equipped and ready for the road, is 3400 lb. The "Eight" has a wheelbase of 125 in. and weighs 3600 lb.

Carnegie Endowment Year Book

The Carnegie Endowment for International Peace has published its annual Year Book for 1917, being the sixth issue. Its contents reveal a wide field of constantly extending activity and demonstrate the striking difference between the work of this organization and that of all other so-called peace societies. The Endowment is in fact an educational, scientific and economic research institution, working along the lines of a better understanding of the problems of international relations, and a wider diffusion of the fundamental principles of international law, upon the recognition and development of which the future peace of the civilized world depends.

So far from being put out of business by the devastating war in which the democracies of the world are now allied for the defeat of the autocracies of Central Europe combined in a desperate scheme to dominate modern civilization on the basis of militarism, the Trustees of the Endowment see in existing conditions an opportunity to reconstruct the international organization of the world, the corner-stones of which will be international justice and the mutual protection of the rights of all nations.

To this end, the Trustees declared at their annual meeting in April last, their belief that "the most effectual means of promoting durable international peace is to prosecute the war against the Imperial Government of Germany to final victory for democracy, in accordance with the policy declared by the President of the United States."

A comprehensive understanding of the wide field of study covered by the Endowment activities is obtained from the list of its publications, of which no less than sixty-nine titles are listed in the Year Book. These publications vary from small pamphlets to large volumes. Many of them are distributed gratuitously; those which appeal to a limited class of specialists and experts are sold at a price; but in order that everybody may have access to them, the Endowment has established a chain of Depository Libraries, widely distributed in the principal cities and in educational institutions and public libraries of the United States and other countries, where they are freely accessible. A list of these free depository libraries is published in the Year Book, and it already numbers 626.

At the April meeting of the Trustees, $500,000 was voted to aid in the restoration of the devastated homes in France, Belgium, Serbia or Russia.

The personnel and equipment of the Endowment headquarters in Washington are tendered the Department of State for any service during the war, and the tender has been accepted.

The Jordan Motor Car Co., Cleveland, O., will shortly embark in the assembly of trucks from units of good quality.

The Reo Motor Car Co., Lansing, Mich., reports that business is unusually good, and that the Reo truck business is taking on greater proportions than it has ever reached before. The Reo "speed wagon" is being turned out at the rate of 300 per week.

HEATH-

Touring Car to Truck — Truck to Touring Car-

1 Minute

Two services from one car!

—two services that have been costing the owner two investments and two upkeep expenses—

—now secured from a Ford Touring Car if it is equipped with the Heath-Duplex.

The Heath-Duplex makes a Ford Touring car available for use both as a pleasure car and for half-ton delivery service.

The change from truck to pleasure car—or from pleasure car to truck—is made in **one minute.**

The regular Ford body is not mutilated or disfigured in any way. And the frame is strengthened. It is a better Touring Car because of the Heath-Duplex.

Almost every owner of a Ford Car has need of this extra service—wants to use his car for delivery work—but does not want to invest in an extra car.

You can appreciate the great demand—actual need—there must be for an attachment of this kind. You do not have to create a market—you simply fill the orders that will come to you.

The Heath-Duplex Sells Itself

DUPLEX

Doubles the value of the Ford Car

There is business in your town—in every town for the dealer who offers the Heath-Duplex. The market is waiting—and there is no competition.

Remember that every Heath-Duplex is guaranteed it must satisfy your customers or we refund the money you pay us. We make this sweeping demand because we know what it will do.

Right now is the time to be selling the Heath-Duplex. Get busy while the weather is still good.

We want good live dealers—want them quick—and have a special initial "make good" order plan which enables you to try out the Heath-Duplex on your trade without taking any risk yourself.

Better write us today for information and order blank!

McCord Mfg. Co., Inc.
Detroit, Michigan

World's Largest Manufacturers of Automobile Radiators

It sells for $48.50

Send This Today

McCord Mfg. Co., Inc.
Detroit, Michigan

Gentlemen:

Please send me full information regarding the Heath-Duplex. It is understood that this obligates me in no way. I am interested in your dealer proposition.

Name

Address

Automobile Trade Journa

The Allen Brothers build the vital parts themselves

They build not only for the first sale, but for the second and the third to the same buyer

The dealer sells the Allen because he believes in the makers and in the car.

He can assure you of continued satisfaction with a clear conscience.

He builds up his business largely by referring new buyers to old.

What you hear about the car from Allen owners, and what you will see and experience when you inspect and ride in this new model, will **make you want to own an Allen.**

Allen literature—giving actual color illustrations of all models—sent upon request

Specifications

Bodies are pure stream line with high cowl and slanting windshield. The wide rear seat is 46" across cushion and 49" at top.

touring car, Allen brown roadster deep blue

ring gear and pinion.

rotary switch

Perfex honeycomb type radiator

Stromberg Carburetor.

good looks, is

Prices f. o. b. Fostoria, Ohio
$1095 for 5-passenger Touring Car
or 4-passenger Roadster.
$1395 for 5-passenger Sedan

THE ALLEN MOTOR COMPANY

FOSTORIA OHIO

To Dealers

This two page advertisement is one of many appearing in an extensive national campaign, including the Saturday Evening Post.

With the inauguration of this big campaign of publicity, the Allen is assuming a still wider importance.

An Allen dealership is an increasingly valuable business asset

We will be glad to enter into negotiation with dealers in territory not previously allotted.

The new series 41

Allen

Sixth Season of Success

The Allen car enters its sixth year with an enviable record.

Wherever it is known it is well known and well liked.

Allen owners and dealers every where confirm the general excellence of this car.

And now appears an Allen of greater power, **greater beauty and many refinements—** the new Model "41."

GRANT SIX SUCCESS

IT has come to be recognized that no motor car can permanently maintain itself in popularity and public confidence unless it is fundamentally sound.

The industry is strewn with the wrecks of reputations caused by overlooking this fact.

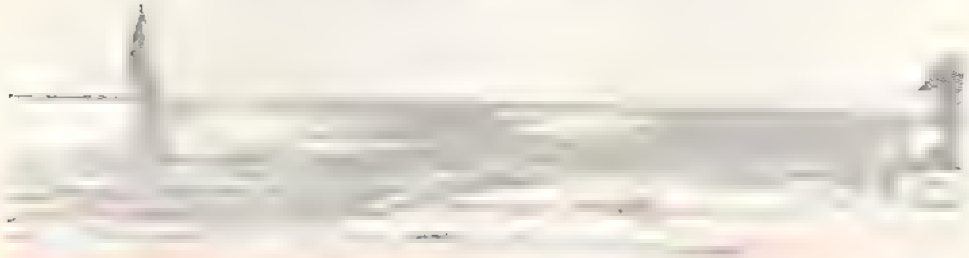
Four years ago the GRANT SIX was put forth, the first Six to sell for less than $1000, and its progress has been rapid but steady ever since because GRANT SIX makers founded their business upon two bedrock facts.

The first is that the market for a Six well under $1000 is at least four times as large as the market for Sixes at $1100 to $1600.

The second is that no car can permanently succeed unless it actually delivers what is claimed for it.

The GRANT SIX market is the 1,310,000 families with incomes from $2000 to $10,000. It is a market in which people buy carefully and insist upon their money's worth.

In this field the GRANT SIX is the only Six selling for less than $1000 that has progressed steadily in favor for the past four years, and because it alone has been able to maintain its price in the face of advancing costs, GRANT SIX is today the lowest-price Six in the world.



GRANT SIX

RESTS ON BEDROCK

The present price of the GRANT SIX is the most conclusive evidence of the financial and manufacturing resources that are back of the car. An immense new factory that is on a highly efficient basis, combined with unusual purchasing power and able management, account for the fact that while all other Sixes under $1000 have had to advance prices $60 to $110, the GRANT SIX is still $875 f.o.b. factory,

These facts are full of meaning for the dealer who is in business to stay. They indicate a car and a company that are a permanent factor in the industry. They show that the selling of the GRANT SIX is on a basis of sound merchandising.

A splendid car at a remarkably low price, with four years of steady progress to its credit, backed up by truthful and persistent advertising means a profitable line for the dealer.

Even if you are not actively seeking a new line, you cannot afford to overlook the GRANT SIX if you want 1918 to be your biggest and most prosperous year. Write today.

GRANT MOTOR CAR CORPORATION, CLEVELAND

$875

f.o.b. Cleveland

NEW

ONE-TON TRUCK

Internal Gear Shaft Drive

Not a Chain Drive

Can Make Immediate Deliveries

JEWETT CAR COMPANY

ETT

ATTACHMENT FOR FORDS

Completely Manufactured
in Our Own Factory

Some Territory Yet Open

A Chance for Live Dealers

$360

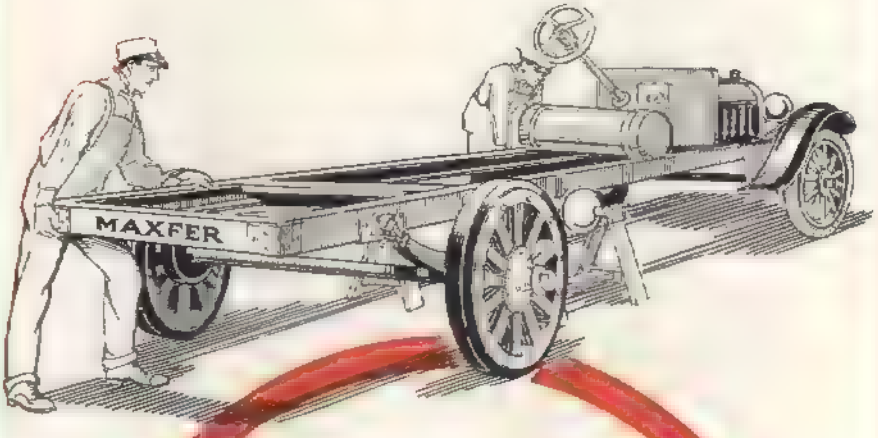
Write or Wire Us for Particulars

NEWARK, OHIO, U. S. A.

MAXFER

One-Ton Truck Maker

$350



Maxfer Plus a Ford, Chevrolet or Maxwell The Logical Solution of The Haulage Problem

Why are Maxfer trucks leading the streets of the big cities? Why are Motorcycles, Fords, Chevrolets and Maxwells appearing on farms and in villages all over the country?

Simply because the Maxfer answers the delivery problem—answers it logically, economically satisfactorily. Lower first cost because no engine, no radiator, no attaching. The Ford is not mutilated or changed in any way. Lower upkeep cost because Maxfer construction is scientifically sound. Longer travel, more efficient, more

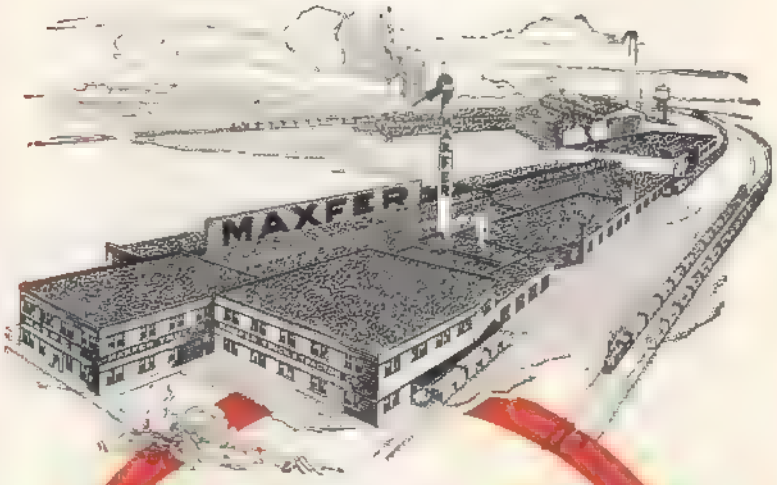
The Maxfer is sold and serviced by dealers who are [illegible] Motor Car Industry. The Maxfer Belt System [illegible] Maxfer engineers. [illegible] the necessity of [illegible] Destroying the Ford rear axle, together with [illegible] Maxfer Standard [illegible] Maxfer Standard [illegible] axle [illegible]

Maxfer Truck & Tractor Company

MAXFER

Two-Ton Truck Maker

$410



A Bonanza To Live Dealers

With the addition of the Maxfer Two-Ton Truck Maker, the Maxfer dealership represents a veritable gold mine to the live, hustling, on-his-toes dealer. With the supremacy of the one-ton attachment firmly established in the minds of truck buyers it is but logical that the two-ton Truck Maker will achieve dominance in its field as well.

With a wide selling field made wider the Maxfer dealer finds every merchant, every retailer, every department store, every farmer a live prospect for the Maxfer.

18,000 Maxfers have already been sold. A new factory with an immense output is now busy at work supplying the hungry demand. Never was there such an opportunity to become independently prosperous as right now with the Maxfer Truck Makers and their great selling appeal and the Maxfer organization to back you up.

We are always glad to hear from dealers
[illegible]
Write, wire or call [illegible]
[illegible]

Harvey **Illinois**

The plow manufacturer in particular, recognizing that the motor car dealer will in 1918 sell more tractors than will the implement dealer, seems to be unnecessarily worried as to the intelligent sale of his product, and emphasizes to every new entry into the field the fact that tractor plow adjustment is a fine art.

There is no discounting this, but for some unknown reason the average tractor plow manufacturer seems to think that an implement dealer is a tractor plow expert.

The cold fact of the matter is that unless the implement dealer has sold tractor plows and has been educated to their adjustment by salesman and expert, he knows no more about their operation than does the garageman, who, in the smaller towns, generally comes from the farm. The plow dealer must be educated to the tractor, and it is more of a job to educate him than it is to educate the motor dealer on power plows.

The automobile dealer is aggressive, sells for cash, does a clean business, knows how to provide service, spends twice the time in the country that any other dealer does, has proven his adaptability to new business opportunities in the very fact that he is an automobile dealer, and has already proven that he can sell tractors at a profit for the manufacturer and to the satisfaction of the farmer

Successful Truck Distributor Makes Good at Selling Tractors

[The following is the interesting story of how a big Western distributor is on the road to duplicate the success it achieved in the commercial car field. The company has thirty-eight dealers, all except two of which are motor car dealers.—Editor.]

THE most vital question which the tractor manufacturer today faces is that of distribution and service. Three channels of distribution are now apparent, the motor car dealer with the attendant garage for service, the implement dealer, and a separate and distinct tractor or power farm equipment dealer. The decision as to which of these dealer types is to be the "ultimate" type of tractor distributor has caused an endless discussion and argument, evident wherever tractor men assemble. Today the mists are clearing away and we have reached a definite working ground.

Three classes of tractor manufacturers are now in the field: first the implement-thresher type, represented by such firms as International Harvester Co., Rock Island Plow Co. and J. I. Case T. M. Co.; next the independent type such as Waterloo Gasoline Engine Co., Parrett Tractor Co., or the

The Dougherty Service Station

This service station and parts department occupies two floors having [illegible] sq. ft. of floor space. Here day and night service is constantly maintained. About $35,000 worth of parts are here carried in stock. Besides, this concern operates a body-building shop and a blacksmithing department.

Allis-Chalmers Mfg. Co., and the latest to enter the field, the pleasure or commercial car manufacturer, such as the Velie Motors Corp., General Motors Truck Co., Henry Ford & Son, etc.

The implement-thresher type of manufacturer naturally distributed through their existing dealer organization and will probably continue to do so, notwithstanding the fact that the average implement dealer is noted as being a "storekeeper," as being unable to get out and canvass, generally unable to sell for cash, as his whole training has been along long time credit lines, and as having no idea as to service except to wire or write for a factory service man.

Those independent manufacturers who have obtained the quickest and most successful distribution have invariably sold through the motor trade. The Waterloo Boy Tractor Co.'s most successful distributors have been P. J. Downes & Co., at Minneapolis, distributors for Jeffery at Kansas City, and the P. J. Downes Co. cars and trucks. Hall Brothers & Reeves, at Kansas City, are well known as having made the biggest sales record of any independent distributor with Bull tractors, and this firm will sell only through the automobile dealer or garage man

The pleasure or commercial car manufacturer naturally distributes through the motor trade, and no one needs to hold a brief for a distributing organization which has built up, maintained and given satisfactory service to such a really tremendous industry as the manufacturer of motor cars and motor trucks.

The question of distribution as a whole is covered in an article headed "Tractor Distribution" to appear in our next issue.

The Allis-Chalmers Mfg. Co. has been peculiarly fortunate in their distribution, having contracted with such well known firms as the Lininger Implement Co., of Omaha, who introduced Buicks in Nebraska, the Consigny Motor Co., of Des Moines, and the H. A. Dougherty Motor Co., of Kansas City. This is the first of a series of examples of successes in tractor distribution made by automobile and truck dealers.

Take, for instance, the case of the H. A. Dougherty Motor Co., of Kansas City, Mo. Here is a concern that has made for itself an enviable reputation in the commercial car field. This company distributes the Republic truck, and ranks as one of the country's foremost truck distributors. The company is headed by H. A. Dougherty, who is one of the very oldest established and best-known dealers in the country. Mr. Dougherty received the first trainload of automobiles ever shipped to a dealer and, after entering the truck field, he established a record by receiving the first trainload of motor trucks, consisting of thirty-nine carloads, ever shipped to Kansas City.

This concern has about 350 trucks working in Kansas City alone, with something over 11,000 trucks in its territory, and it is justly proud of its claim that it is the biggest truck distributor in the country as to stock carried on hand. As of July 1st it carried 184 paid-for trucks in stock in Kansas City.

The Dougherty Motor Company's Establishment in Kansas City

The illustration represents the offices, sales and inspection service departments of the H A. Dougherty Motor Co. having a total of 12,600 sq ft. of floor space This establishment and its equipment are complete and up-to date to the smallest deta l

On January 1, 1916, The H. A. Dougherty Motor Co. was organized as distributor for Republic trucks, at which time there were only 28 Republics in service in Kansas City. Within 14 months after opening its doors, this company sold and delivered over 850 trucks in Kansas City and adjacent territory. This shows what an aggressive and enthusiastic selling organization can do, and it is just such conditions which this concern is duplicating in the tractor field.

On January 1, 1917, this company established a farm power machinery department, handling the sales of Allis-Chalmers tractors in Missouri, Kansas, Oklahoma, Arkansas, Western Kentucky and Tennessee. This department has branches in Wichita and McPherson. Besides the tractors they

sell the Universal grain separators made by the Southwest Mfg. Co., Oklahoma City, Okla.; Port Huron baby corn shellers, made by the Pt. Huron Engine & Foundry Co., of Pt. Huron, Mich., and plows, drills, harrows and other implements as ordered

As of June 1st, they had 38 dealers in the farm power machinery department, all automobile and truck distributors, with but two exceptions. They believe in the automobile and truck dealers because they will canvass, give intelligent service and sell for cash. They give liberal commissions and the dealers handle the service.

Much of the credit of the successful manner in which this department has advanced was due to the able management of A. L. Palmer, Jr. Mr. Palmer was formerly manager of the Goodyear Tire & Rubber Co.'s mechanical goods department, at St. Louis and Kansas City, from June, 1913, to June, 1914. He then went with Victor L. Phillips, contractors' machinery, K. C., selling Leader tractors, made by the Leader Engine Co., of Detroit. After losing $7000 in development work (the Leader concern going bankrupt) they still had faith in the business, but were forced to wait and recuperate

In April, 1916, Phillips and Palmer organized the Phillips-Palmer Tractor Co., taking the sale of Allis-Chalmers tractors in Missouri, Kansas and Oklahoma. Tractor sales were slow in 1916 and development work expensive. The contractors' machinery end of the business demanding all of Mr. Phillips' time, the Allis-Chalmers contract was swung to the H. A. Dougherty Motor Co., and the Phillips-Palmer Co. dissolved February 1, 1917.

Among this company's successful dealers is the Hill-Howard Motor Co., Arkansas City, Kans., which has already sold 11 tractors and expects to sell 50 this year. It dropped two auto lines to take on the tractor. It surveyed its two counties and found that it had two tractor prospects to every auto prospect. It sold 284 cars the first year it was in business. Neither of the men in the firm is over 33 years old.

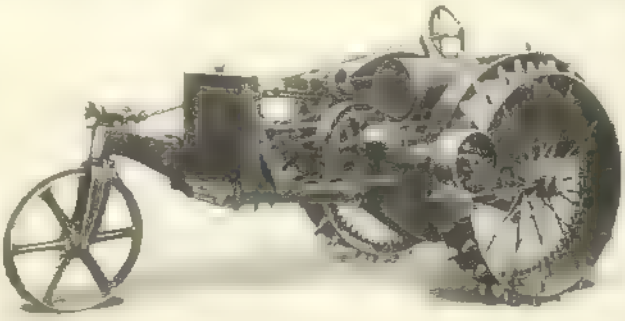
Another one of the dealers is the Oklahoma Metz Co., of Chickasha, Okla., which has this year sold 16 tractors. Another is the Rice Motor Car Co., of Blackwell, Okla.

It should be borne in mind that the wheat failure this spring is in the winter wheat district of Kansas, where the tractor has been most thoroughly sold to date, all of which is delaying tractor sales this year from Kansas City.

The work to date of the Dougherty Co has been done with three men. If the business develops normally it expects to have 40 men on the tractor end alone next year.

This is the kind of business that the tractor maker can expect from the automobile dealer. He is the enterprising spirit that goes out after the business. He is constructive; he digs up his prospects and does not wait for the prospect to hunt him up.

The foregoing illustrates one case where an automobile concern is handling tractors and farm machinery as a department of a going and profitable business. It is a sure sign of the times and should be food for thought for the motor car dealer who will allow his visions to penetrate beyond the horizon line of his present business aspirations.



The 10-18 Model Tractor, Made by the Allis-Chalmers Manufacturing Company, Old-Established Maker of High-Grade Machinery.

General Motors Co., Detroit, will build a forge shop requiring nine 10- to 15-ton electric traveling cranes and other shop equipment.

The Electric Wheel Co., Quincy, Ill., owing to the increased demand for its Light Allwork 12-25 h.p. tractor, has been obliged to increase its capacity. Accordingly a new addition is being erected to the tractor plant which will cost a quarter of a million dollars. The completion of the new building will give an unusually up-to-date and well-equipped tractor factory.

Elgin Tractor Corp. has arranged to move its plant from Elgin, Ill., to Piqua, O., where it has been given a 25-acre factory site, with one large factory built ready for occupancy and another provided for and which will be erected at once. Other units will be built as needed. There will be no material change in the management. The Elgin factory will continue to assemble until the Piqua plant is ready to operate, which will be in a very short time.

AUTOMOBILE TRADE JOURNAL

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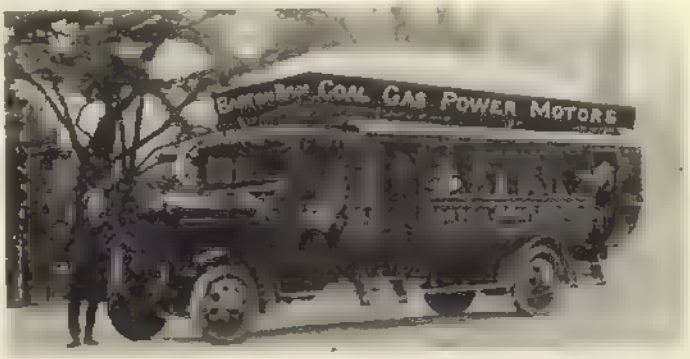
Operating Motor Cars on Coal Gas

Developments in Great Britain Owing to Gasoline Stringency

By L. M. MEYRICK-JONES

IN April last the retail price of high grade gasoline in the United Kingdom was 68 cents; now it is 90 cents inclusive of tax, and for commercial cars at any rate the talk in Great Britain is all of coal gas as automobile fuel.

There is nothing new in the use of coal gas for this purpose. In 1896 a car was run on this fuel by a Mr. Dunkley, and later tram cars in various parts of the country were propelled by internal combustion engines using coal gas. But this is the first time it has been successfully, and consequently at all widely, employed on the roads. Up to the present the firm that started the idea, Andrew Barton Bros., of Nottingham, have supplied some 400 gas cylinders for this work, and are turning these cylinders out at the rate of 50 a week.



A Large, Single-Decked 'Bus Operated on Coal Gas, by Barton Bros.

As originally introduced by Barton Bros., the gas using arrangement merely consisted of a two-ply cotton sheeting thoroughly waterproofed container, connected to a pipe through which the gas was led to the engine intake on the engine side of the throttle, and the gas supply was controlled by a cock in the supply pipe which was connected up with the throttle. Now, however, the pioneer firm is leading the gas into the cylinder below the throttle in such a way that the movement of the throttle controls the opening of the gas tube.

Percy Dougall, engineer and manager of the Kidderminster Gas Co., to whom I am indebted for much interesting information on this subject, introduces the gas through a tube inserted beneath the choke tube of the ordinary carburetor, with the tube end hammered so as somewhat to flatten the tube orifice, and thus enable it to be brought closer up against the jet, and consequently more central with the choke tube. The supply of gas through this pipe is merely controlled by a stop tap, but this arrangement sometimes has the objection that, if the stop tap is not shut when the engine is switched off, the gas escapes. This, however, is only due to the pressure on the gas

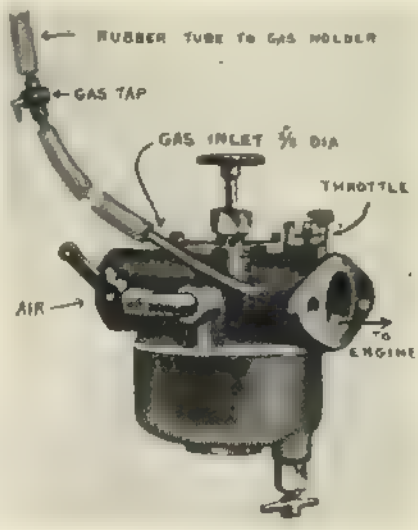
from the weight of the walls of the holder, otherwise the gas, being lighter than air, and placed above the engine, would tend to rise, and escape would be prevented. Indeed this is what happens in larger gas holders than the 290 cu. ft. holder employed by Mr. Dougall on a 30 cwt. van. Coal gas has suffered in comparison with gasoline by the inexperience of its users, most people using too rich a mixture, and no doubt this has a considerable bearing on the fact that much depends on the extent to which this gas nozzle is inserted in the choke tube, broadly speaking, the power being poor when the nozzle was only slightly inserted, and improving when it entered the choke tube further. According to general practice, up to the present the area of the nozzle seems to vary about .0065 to .0075 sq. in. for each horsepower of the engine

Even with a correct mixture we cannot generally expect quite as much power as with gasoline. Some tests carried out at the Dennis works showed coal gas gave about 85 per cent. of the power that gasoline did, and most users say that, even when the engine is pulling well up a hill, which on gasoline they can just top on, say, third or fourth gear, on coal gas they have just come down to second or third. If explosive constituents, such as Toluene, have been extracted in the gas making, less power is given off than otherwise.

The ordinary carburetor and manifold arrangement can be utilized for coal gas with but little alteration, though the gasoline supply can be still available as a standby in case the supply of coal gas runs short, but on the Daimler buses that are being run by the Great Grimsby Street Tramways Co. special gas carburetors are being employed.

In a bag container, like those in use, the gas is, of course, not stored at pressure, and consequently such considerable room is required for the gas holder that practically invariably it is carried on top of the car, and to it a sleeve about 5 ft. long is attached. In the observation cars run by Messrs. Chapman & Sons, of Eastbourne, this branch is fitted with a 1½-in bore gas cock and the 500-cu. ft. container takes 20 minutes to fill, but through a 2-in. pipe like this the 300-cu. ft. gas bag of the Kidderminster Gas Co.'s van can be filled at atmospheric pressure within three minutes.

One's mind naturally turns to the possibility of steel cylinders containing gas at high pressure, but so far high pressure storage has met with no practical success or adoption. Besides the pressure cylinders it requires a reducing valve, and introduces a danger in case of fire, whereas a bag container caught on an overhead lamp would



Showing the Connections for Coal Gas on a Ford Car Carburetor

Van Used by the Kidderminster Gas Company

The large intake will be noticed and this enables the container to be filled in only three minutes.

certainly burn briskly, but there would not be the same danger even as if the gasoline tank caught fire. Again high pressure storage means weight. Percy Dougall estimates that with gas stored at only 500 lb. to the sq. in. an additional weight of 300 lb. to 450 lb. would be involved on a 1½-ton van, while for large 3-ton vehicles carrying gas at say 1500 lb. pressure, the weight would probably be little short, if any, of 1000 lb. On the other hand the bag container gives a more or less constant pressure supply, is cheap and light, and involves no compressing plant.

Some Actual Gas Consumptions and Costs

Despite all proofing, the gas container inevitably leaks a certain amount, but the following figures are inclusive of all such leakage. Now as to consumption this varies from about 20 cu. ft. a mile on a light amply powered delivery van (18-22 h.p. Mercedes), belonging to the Thistle Laundry, to 43.5 cu. ft. a mile on the buses of the Bath Electric Tramways, Ltd., which W. E. Hardy, general manager and engineer, informs me gets an equivalent of 1 gal. gasoline out of 300 cu. ft. of gas. This at 48 cents per 1000 cu. ft. works out to an equivalent of gasoline at 14.4 cents to the gallon, a big difference from present prices. The country here is very hilly, which seems to tell against the gas. In Scotland similar work is being done with buses by the Caledonian Automobile Services, with only 270 cu. ft. to the gal of gasoline, and this at 54 cents per 1000 cu. ft. gives approximately a fuel cost of 3 cents to the mile. I am informed that on the 30 cwt. Vulcan van, belonging to the Kidderminster Gas Co., the average is 25 cu. ft. a mile light, 29 loaded, which at 64 cents per 1000 cu. ft. works out to less than 2 cents a mile. In the south, Chapman & Sons, of Eastbourne, run observation car trips of 130 miles, which on gasoline gives them one gallon for 6.5 miles. The prices they pay for coal gas varies from 78 cents to $1 40 per 1000 cu. ft., but even at these high prices they save about 8 cents a trip. At places like Sunderland, where gas is obtainable at 24 cents per 1000 cu. ft., the cost is equivalent to gasoline at 6 cents a gallon, whereas the Sunderland Gas Co. are paying 50 cents a gallon.

The cost of the container is not great 100 cu. ft. or 200 cu. ft is about $52.50, while a user with a 300-cu. ft. gas bag tells me it cost him about $55 and $10 more for fixing, exclusive of cradle. Some little care is required in fixing the gas bags, and since when the bag becomes partly deflated, there is a tendency for the wind set up by the rush of the car, to force the gas to the back, Percy Dougall advises the supply being taken to the engine from the back of the bag.

The introduction of gas as power for automobiles is, of course, entirely due to the war and consequent scarcity of gasoline, and the very abnormality of the times makes it difficult to form an opinion whether it has any future in peace times. To an extent the key to the answer lies in the price of other fuels, and we have more than once seen gasoline prices temporarily forced down to kill competition. But if gas prices like those at Sunderland were generally available, gas would certainly constitute a formidable competitor, in spite of the manifold disadvantages of a cumbersome gas container of limited lasting capacity. Still that objection carries less weight in towns where supplies are available at frequent intervals, and in case of competition, practically everywhere the gas companies could afford to cut down their charges. On the other hand at present the exhaust from coal gas smells objectionably and the police authorities who license the buses are reported to be very generally against its use, while the army authorities will have none of it; it certainly does not lend itself to military work.

Daimler 'Bus With Large Gas Container

Has 700 cu. ft. capacity containers, which will run the car twenty-seven miles on one charge.

A Coal Gas Carburetor

Mention was made of a special coal gas carburetor, used by H. O. White, engineer of the Great Grimsby Street Tramways Co., on the Daimler buses of that company, and by the courtesy of the makers of the carburetor, White & Poppe, Ltd., of Coventry, England, it is now possible to give readers of the Automobile Trade Journal details of this device, which is shown in plan and section by Fig. 1. The gas is admitted at A, past the valve B, the lift of which can be adjusted by a set screw above it. It then flows to the orifice C, and mixes with air sucked up through the opening D,

whence it flows to the engine, extra air being admitted through the centre of the throttle spindle as at F. Turning with the throttle barrel G is a sleeve H mounted on the gas nozzle; thus as the throttle closes, so the proportion of gas is regulated. The whole arrangement is perfectly simple. The main air supply is adjusted by slacking back the two clamping nuts and washers I. The end of the barrel J can then be part-rotated, and if this movement is clockwise, the air orifice at D is opened up thereby; if the barrel is moved anti-clockwise opening D is rendered smaller, and a richer mixture results. The opening of the additional air supply is controlled by an end plate K, held in position to the throttle lever boss by

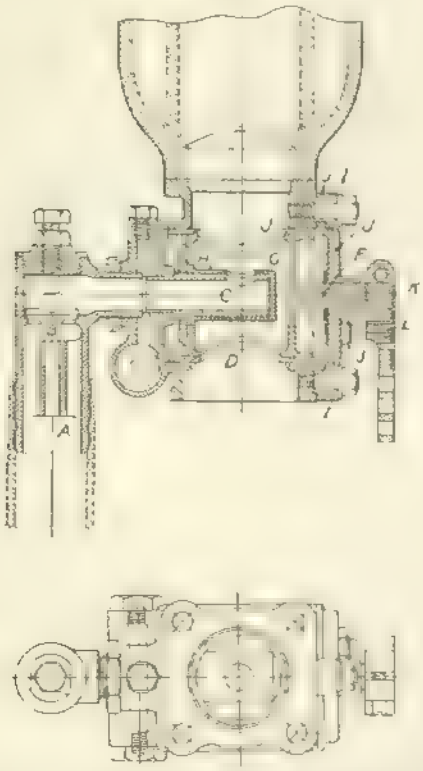


Fig. 1. Section and Plan View Explanatory of the W. & P. Coal-Gas Carburetor

screw L, and the principle is sufficiently explained by Fig. 2.

Dismantling of the carburetor is equally easy. Removal of the clamping nuts I enables the main air barrel J, and with it the entire throttle, to be withdrawn, and if the clamping nut of the throttle lever be slacked, and the disk K be removed, the throttle barrel can then be withdrawn through the outer barrel.

On a previous page of this article reference was made to some tests made at the Dennis works, showing that the possible power developed by coal gas was about 85 per cent. to that from gasoline, and this exact result has been reached by Messrs. White and Poppe. Indeed so closely have the results been worked out that in view

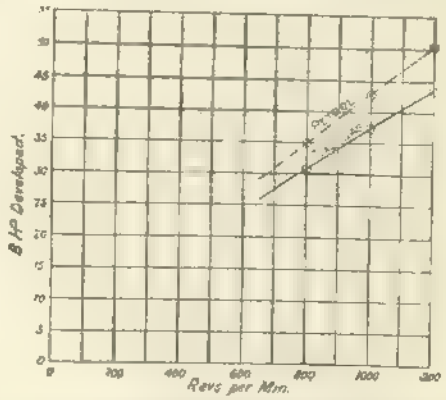


Fig. 3. The Net Result of Comparative Tests Between Gasoline and Coal Gas

of the high price of gasoline, they have for a considerable period used these carburetors in their engine testing shops, and it is only very occasionally that they trouble to test an engine on gasoline. Fig. 3 gives the result of some hundred separate tests carried out by White & Poppe on a four-cylinder engine, having a compression ratio of 3.95:1. In these tests the gasoline averaged 678 specific gravity, and gave 19,500 British thermal units per lb. The engine averaged .65 pints per brake horse-power-hour; the

Fig. 2. Sketch Explaining Adjustment of Extra Air Through the Hollow Throttle Spindle

calorific value of the gas was 485 British thermal units per cu. ft., and the consumption was 24 5 cu. ft. per brake horse-power-hour. Thus 250 cu. ft. of town gas was equivalent to 1 gal. of gasoline.

How to Save Gasoline—

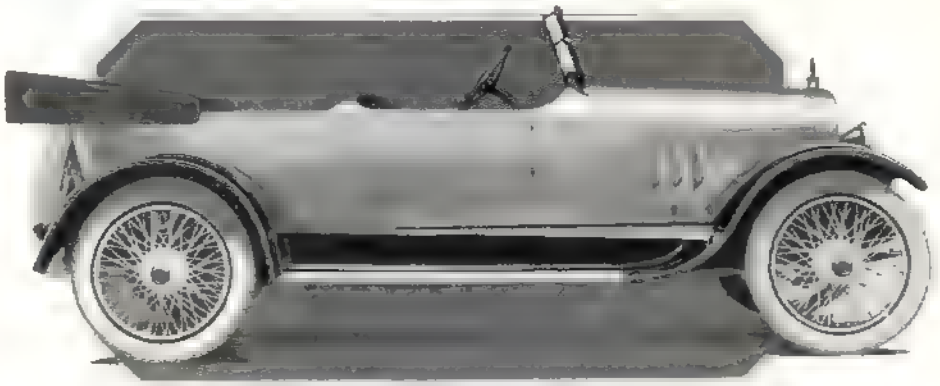
The Columbia Six

with motor temperature automatically controlled offers the practical solution

A motor refinement as important as the self-starter

The one motor car that offers a vital advantage

180 degrees wide open
Motor cold! Shutters closed
165 degrees Begin to open
148 degrees still closed
155 degrees still closed



Four-Passenger Sport Model $1450

Price includes five wire wheels, Harrison radiator with "Sylphon" thermostat control of shutters and full equipment including tonneau lamp. Particular care has been given to the details of finish. Genuine leather upholstering, walnut instrument board, etc. Spacious tonneau, with seat tilted at just the right angle. Hassocks instead of foot rest.

Columbia Six

"A Right Product Backed by a Right Policy"

ECONOMY

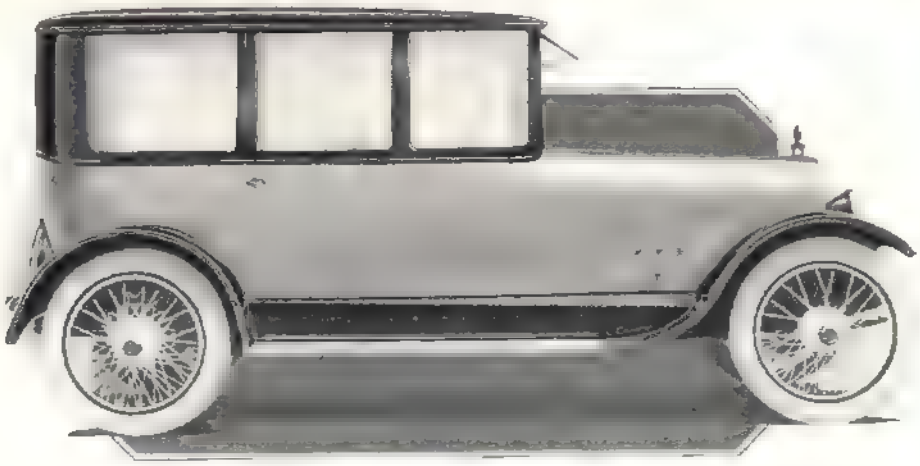
Thermostatic control of the radiator shutters assures a uniform motor and greater mileage per gallon of gasoline. It is based on the fact that more heat means more fuel energy. Tests show an increase of approximately thirty per cent in motor efficiency, as a result of thermostatically controlled radiator shutters. This is real fuel economy.

When the motor is cold the shutters are closed. This permits the motor to warm up very quickly. The shutters stay closed till the motor temperature is approximately 180 degrees at which time they open. You do not have to open several hood sections, as in the old way, but drive away at once. You will find it convenient to drive without the service

THE announcement of the latest model Columbia Six with automatic control of motor temperature has riveted the attention of the automobile trade on this car.

Hundreds have been shipped and are now in use.

Both dealers and the public now know that our claims for gasoline economy, for higher motor efficiency, for ease of starting, for constant motor temperature, and the many other advantages ensuing from automatic control of motor temperature, are *facts.* They see in the Columbia Six a car that because of this exclusive feature coupled with highest grade construction, is bound to enjoy constantly increasing popularity. It offers the one new improvement in motor car design.



Five Passenger Touring Sedan $1995

Upholstered in finest materials. Highest grade equipment in every detail. Staggered doors. Finish, Columbia Blue. Prompt delivery.
Price includes Harrison radiator with "Syphon" thermostat controlling radiator shutters.
Full details on request.

Columbia Six

"A Right Product Backed by a Right Policy"

IMPORTANT

The first Columbia Six was put into service OVER TWO YEARS ago. We now have hundreds of Columbia cars in service in practically every large city of the United States. Columbia cars are now being sold in Spain, Japan, Sweden, China, Cuba, Java, Australia, New Zealand, and all foreign countries where shipments are permitted. Wherever they are in use, they give satisfaction. The reason for this is plain when you know Columbia construction.

SERVICE

The word "Service" to the Columbia Dealer means exactly what it should mean—those inexpensive courtesies extended to help the purchaser to get the utmost from his car.

The other *Service* is built into the Columbia Six.

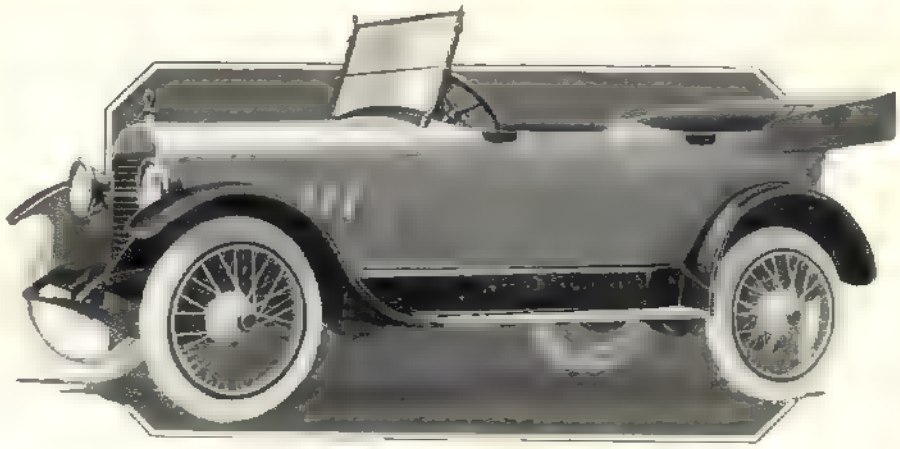
Thus Columbia dealers find service cost exceedingly low.

THE radiator shutter alone was undoubtedly a big advance, but it needed the automatic control to complete its efficiency and yield its fullest value.

The virtue of *constant* motor temperature is being more clearly understood each day. It needs no emphasis. The whole question of present day motor efficiency hinges upon the maintenance of *constant motor temperature.*

And there is only one way to maintain motor temperature constant while outside temperatures vary, and that is by the use of thermostatically controlled radiator shutters.

The new sales opportunities created by this exclusive feature, in connection with the demonstrated high grade construction of the Columbia Six, will be at once apparent to the wide-awake dealer



Columbia Six Five-Passenger Touring Car $1295

Price includes a Boyce Motometer, Harrison radiator with ventilating [illegible] equipment. Wire wheels $[illegible] extra.

SPECIFICATIONS

MOTOR—Continental, six cylinder, vertical [illegible] head [illegible] removable cylinder head [illegible] 18 horsepower.

AXLES—Front Timken drop forged [illegible] heat treated. Rear Timken [illegible] floating type [illegible] driving gear, two-piece [illegible] axle [illegible] rear. Cushioned torque arm.

CARBURETOR Stromberg with new economy device [illegible] feed [illegible] manifold [illegible] cylinder blocks in such a [illegible] thereby insuring utmost efficiency, use of low grade fuel.

COOLING—Circulating pump with copper honeycomb [illegible] radiator with auxiliary tank [illegible] Pittsburgh Mfg. Co. with shutters in front [illegible] core.

LUBRICATION—Combined force feed and splash system. Force feed [illegible] gear teeth.

GASOLINE FEED Stewart vacuum system—17 gallon tank in rear.

ELECTRICAL EQUIPMENT—Ward-Leonard two-unit starting and lighting system manufactured by Robbins & Myers. Bendix drive on starter ball bearing generator.

IGNITION—Atwater-Kent Willard storage battery.

CLUTCH—Borg & Beck 10-inch single dry plate; light operating and easy adjustment.

TRANSMISSION—T. W. Warner [illegible] sliding gear, three speeds forward and [illegible] reverse; chrome vanadium steel gears, special alloy steel shafts—ball bearings. Controlled by [illegible] worm.

DRIVE—Through springs; torque taken on especially designed [illegible] torque arm. Tubular propeller shaft [illegible] Spicer universal joint.

SPRINGS—Detroit Steel Products Co. Semi-elliptic [illegible] 56" long. Rear full [illegible] over 54" long.

BRAKES—Service, external, contracting 14" inside diameter, 1¾" wide [illegible] per. Emergency, internal expanding. Ray brake. Equalized [illegible] gears.

STEERING GEAR Warner worm and full gear, reversible 18" walnut steering wheel.

FRAME—Detroit Pressed Steel Co.'s pressed steel channel section.

CONTROL—Left side drive, center control, horn button in center of steering wheel.

TIRES—32 x 4 inches, non-skid in rear.

EQUIPMENT—Boyce Motometer on [illegible] grade Columbia one man top [illegible] genuine *Pantasote* with top cover and quick adjustable "Jiffy" curtains.

Rain vision, ventilating windshield.

Stewart [illegible] meter on transmission. Motometer [illegible]

Head lights with auxiliary bulbs; dash and [illegible]

Robert [illegible] foot rail; pump, jack and tool kit. Tire carrier at rear. Demountable rims [illegible]

UPHOLSTERING French pleated genuine No. 1 [illegible] hair; hand buffed leather [illegible] cushions and [illegible] upholstering.

FINISH [illegible] Blue or Columbia Maroon [illegible] running gear. Unusually fine [illegible] the Columbia Six looks [illegible] when you get it and retains its high [illegible]

WEIGHT 2750 [illegible]

WHEEL BASE 135 inches.

WIRE WHEELS $100 extra.

PRICE $1295 F. O. B. Detroit.

GEAR RATIO—4¼-1.

The Columbia Six is attracting first-class automobile merchants whose names any manufacturer would be proud to add to his roster. There is room for a few more.

Those who have investigated our car and our organization know that our plans for growth and development are sound and convincing. Now is the time to investigate. Write or wire.

The Columbia Motors Company

DETROIT, U. S. A.

TRUXTUN

What *was* the HUDFORD Unit of yesterday, *is* the TRUXTUN Unit of *today*.

The change in name means a change in more comprehensive manufacturing and distributing policy *only*.

There's no change in the Unit. The TRUXTUN Units make, as did the HUDFORD, converted trucks that will give

A wider hauling radius
A quicker delivery service
A smaller first cost
A lower up-keep cost

TRUXTUN

INTERNAL GEAR-SHAFT DRIVE—let the significance sink in—an internal gear-shaft drive unit that conforms to the manufacturing practice of the standard trucks.

It'll convert a *Ford* or other make of pleasure car into a 1¼-ton or 2-ton truck that'll solve the hauling problems of big manufacturers and small dealer in surprisingly economical manner.

TRUXTUN Units are made to stand up under the hardest wear. There's nothing delicate or dainty in their construction. They're of rugged design—made out of the best material—and they're built to DELIVER THE GOODS.

A solid forged nickel-steel axle to carry the load is a typical detail of their construction and the principle is incorporated in the best of locomotives.

Study the Unit in detail and you'll know why leading houses of the country are purchasing TRUXTUN Units to deliver THEIR goods.

TRUXTUN Units

(Formerly Hudford Units)

Model A

Makes any FORD into a 1¼-ton Truck; standard wheelbase length, 112″ or 124″ . . . **$390**

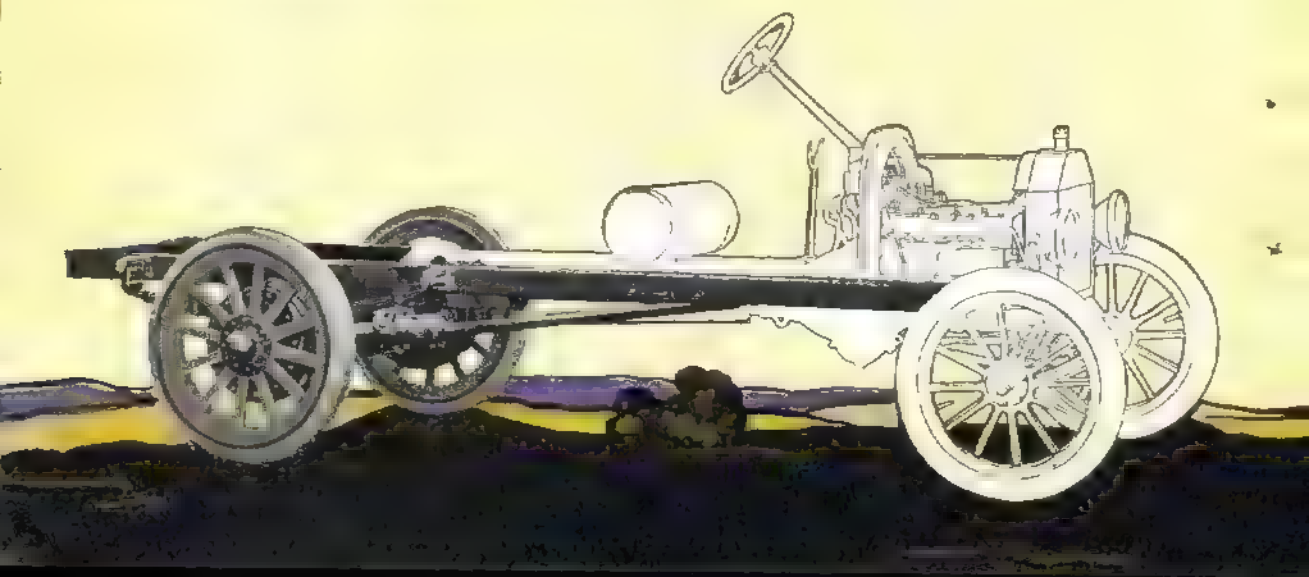
Special wheelbase, 136″ . . . **$410**

Model B

Makes any FORD into a 2-ton Truck; standard wheelbase length, 126″ **$490**

Special wheelbase, 138″ . . . **$510**

Prices f. o. b. Philadelphia and Detroit



Four Stock Bodies

Appearances count heavily today, and really there's nothing in truck construction with a more striking appearance than trucks that have been converted by TRUXTUN Units and standard stock bodies.

The utility feature is there without a doubt —a tried motor, a reinforced chassis construction that spells strength and durability, a body suited to the work for which it is intended, all forms an attractive combination that counts heavily in actual appearance.

Stock bodies are carried in quantities at strategic points for the saving of freight and the convenience of TRUXTUN dealers and users. Cabin, stake, panel and tank bodies —they lend themselves to a wide variety of hauling purposes, but special bodies are made to meet special requirements.

Your local body builder may have some splendid ideas for a unique style of body to suit most unusual circumstances, but our equipment and facilities for stock bodies cannot be beaten on price or delivery.

TRUXTUN Units

(Formerly Hudford Units)

Model A

Makes any FORD into a 1¼-ton Truck; standard wheelbase length, 112″ or 124″ . . **$390**

Special wheelbase, 136″ . . . **$410**

Model B

Makes any FORD into a 2-ton Truck, standard wheelbase length, 126″ **$490**

Special wheelbase, 138″ . . . **$510**

Prices f. o. b. Philadelphia and Detroit

TRUXTUN

Dealers could not wish for a better proposition to handle than the TRUXTUN Units.

TRUXTUN Units are in demand—manufacturers and big wholesale and retail houses are ordering them in single units and in fleets.

Single units are going out in carload lots all over the country—the small man is realizing that his deliveries can be made more economically with TRUXTUNS than with any other form of converted or standard truck. If there's no dealer under contract in YOUR territory taking advantage of the splendid opportunity for present and future business, WRITE US TODAY.

Our proposition is a good one.

COMMERCIAL CAR UNIT CO.

Successors to the HUDFORD COMPANY

16th STREET AND GLENWOOD AVENUE

PHILADELPHIA, PA., U. S. A.

Dixie Magneto on Farm Tractors

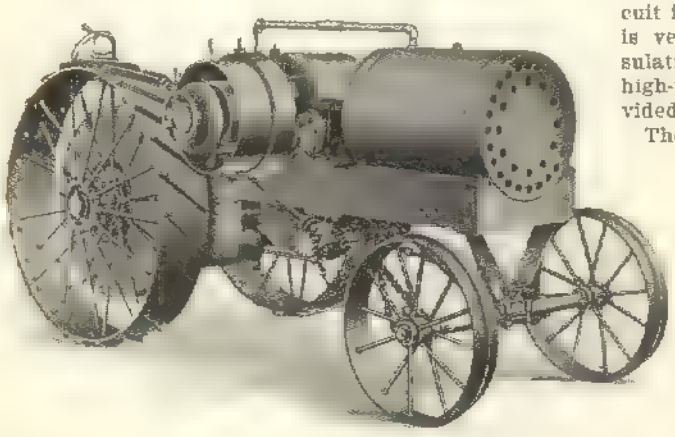
THE requirements of farm tractor ignition are such that a magneto of high efficiency is necessary to fire the low-grade fuel sometimes carbureted under incorrect conditions, and of sufficient capacity to permit starting without the necessity of carrying an auxiliary battery system

The Dixie magneto as used by fifty tractor manufacturers, is, because of its patented construction, peculiarly adaptable to farm tractor ignition. The patented design and construction is such that all the electrical energy generated is liberated in a quick, almost instant, surge of energy. The platinum tipped contact points always separate to produce the spark exactly on the peak of this electrical wave, so that the spark, no matter what the position of the timing lever, always has the same maximum intensity

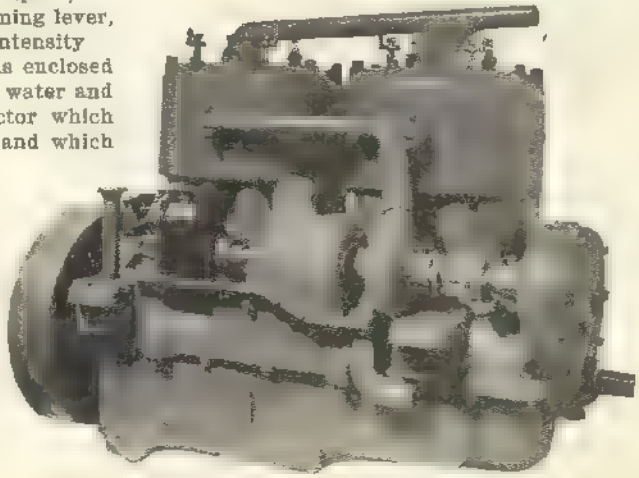
In addition, the Dixie magneto is enclosed thoroughly with close-fitting dust, water and oil proof covers, so that the tractor which stands out in the snow and rain and which is practically always working in clouds of dust, is free from ignition troubles. In the Dixie magneto the adjustment of the contact points can be quickly and easily made with a screwdriver, and while the engine is running, if desired. There are so few parts the magneto is simple and these can be quickly reached without any special tools. The stationary compound coil is mounted up in the arch of the magnets away from oil, where it can be quickly reached by simply taking off the covers and turning the magnets to either side. The condenser is a patented mica construction accessibly located on top of the coil. There are no rotating windings, and, of course, the rotating member being simply a peculiarly shaped mass of metal, need never be touched. The rotating member runs on ball bearings of large size.

The secondary current of from 10,000 to 20,000 volts must be led without leakage to the distributor and there directed to the different cables. In the Dixie the current is taken from a segment on the side of the stationary compound coil and led directly in a short, straight line, to the distributor segment. The high-tension circuit inside of the Dixie magneto is very short and adequate insulation to guard against any high-tension leakage can be provided.

The many features incorporat-



The Vail-Renfschler Tractor, Which Has Dixie Magneto Ignition



Dixie Magneto and Sumter Coupling on a Climax Tractor Engine

Tractors on Big Ranch

TRACTOR operations on a large scale are being conducted at one of interior California's famous ranches—the Tagus ranch in Tulare county—located about four miles from the thriving town of Tulare. This ranch, which has long been known as one of the foremost stock ranches in the West, specializing in high-bred horses, cattle and hogs, contains about 9000 acres. Modern scientific methods of farm management are closely observed, with special regard for efficiency in all departments. Records are carefully kept, showing all productive costs, together with the gross and net results. Every animal on the ranch and every acre of land goes into the record.

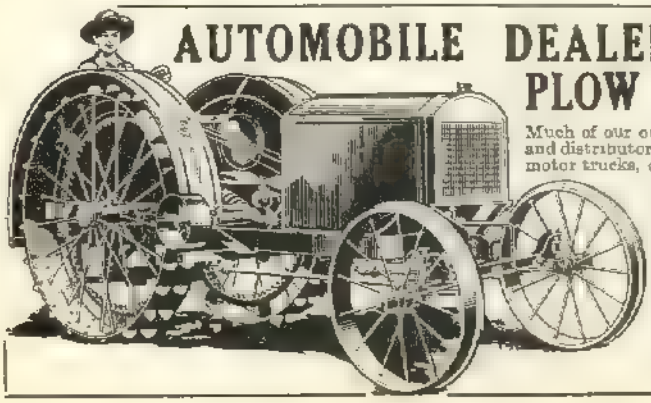
Under the direction of the owner, H. C. Merritt, statistics have been compiled showing at a glance comparative figures for different seasons and the various products. It was the excessive cost of animal power that first directed Mr. Merritt's attention to the tractor as essential mechanical farm equipment. His records showed clearly that the cost per acre for plowing, cultivating and the ordinary farm routine work, combined with horse feed, stabling, labor charge, etc., was steadily growing and the daily production was not advancing.

Last December Mr. Merritt purchased a model E 15-35 Sandusky tractor through William Rabb, Los Angeles representative for the Dauch Manufacturing Co., of Sandusky, Ohio. This tractor was placed in commission and again the daily statistical cost record was employed, with the result that in February, 1917, four more model E Sanduskys were ordered. Careful demonstration convinced Mr. Merritt that this type of machine would answer best.

At the Tagus ranch the tractors are equipped with electric light dynamos. An 18,000-acre tract of this ranch is to be planted in Tepary beans. The tractors each pull three 14-in. bottoms, set 10 in. deep. Automatic power lifts are available for raising the plows, making the machines to all intents and purposes "one-man tractors." This 1800-acre bean field, or seedbed, will be worked down completely by the tractors. Horses will be used only to pull the bean planters. Before the five Sanduskys were put to work in the bean field they were used on a 700-acre alfalfa tract and also on a sugar beet field of 2000 acres. General utility of the tractor is indicated in the fact that when plowing is done they are used to pump water to irrigate the beans and other crops. On the ranch there are a series of wells; the tractors are moved from one to another as occasion demands.

All of the five tractors are usually operated day and night in eight-hour shifts, giving the daily equivalent of the output of 125 head of horses or mules. All repairs are readily made at the ranch by an experienced tractor mechanic, who makes convenient use of a portable machine shop. Separate operating costs are kept with each tractor for each day's work, showing labor charge, fuel and oil consumption, upkeep, miles traveled and acres plowed, harrowed or cultivated. A similar cost system was in use at the ranch when animals furnished the "power" for farm work, including stabling, feed, labor, record of hours of service, etc., so that accurate comparisons between the two methods—animal and mechanical power—are at all times available.

About the middle of October the Scottish Board of Agriculture, Edinburgh, will hold important trials of motor tractors and plows.



AUTOMOBILE DEALERS SELL MANY PLOW MAN TRACTORS

Much of our output is sold through automobile dealers and distributors. They recognize that farm tractors, like motor trucks, can be most successfully handled by the automobile trade.

This is particularly true of standard type tractors like the Plow Man "30", which in design and construction is similar to the better cars and trucks.

Plow Man All-Standard Tractor offers a money-making opportunity to a few more good dealers in territory still open. Write for terms and leaflet "Why Farmers Should Buy Tractors from the Automobile Dealer."

INTERSTATE TRACTOR CO.
4th and Esther Sts. Waterloo, Iowa

ed in the design of the Dixie magneto recommend it particularly for tractor ignition requirements.

No less successful in the tractor field has been the Sumter starter coupling. It eliminates the necessity for an auxiliary battery for starting large engines. Being a very simple, compact and small purely mechanical device, it requires no complicated wiring and no parts which deteriorate through ordinary usage. The action of the coupling is such that the rotating member of the magneto is held stationary through a part of a revolution of the drive shaft. During this time a coil spring is compressed. The detent which holds the rotor from revolving is released by a cam member. The coil spring expands and throws the rotor of the magneto forward rapidly past the electricity-generating point. During this rapid movement the contact points separate and cause the spark. This spark has the same intensity as when the magneto is running at several hundred revolutions per minute and is independent of the actual speed at which the engine is being turned forward

One tractor developing over 60 h.p. in 2 cylinders, 10-in. bore x 15-in. stroke, was equipped with a large belt-driven magneto in combination with two vibrating spark coils and a set of dry cells. This made a very complicated ignition system with a good many wires, 2 or 3 switches and a set of dry cells to buy and maintain and with all the possibilities for trouble which such complication permits. By the application of a Dixie magneto, combined with the Sumter starter coupling, all of this complicated wiring was eliminated. The ignition system for this large tractor now consists simply of a Dixie magneto, Sumter starter coupling and two high-tension cables leading from the magneto directly to the spark plugs. Obviously, an engine as large as this cannot be turned at great speed for starting, yet absolutely no trouble has been experienced with the ignition equipment just mentioned. This is just an example of how the application of Dixie ignition equipment to farm tractors eliminates complication and inefficiency.

The Albaugh-Dover "Square Turn" Tractor Which Has Dixie Magneto Ignition.

American-Made Tractors Doing Their Share in France

Americans have been under the impression that all the people of Europe were engaged chiefly in manufacturing guns, making munitions and such materials as destroy human lives and cause devastation.

But such is not the case, for France as well as the other countries during this time have also devoted their time to tilling every available spot of land for the production of more foodstuffs, and they have not adopted the methods which are gradually disappearing, namely, the horse and horsedrawn plow, but they have adopted the tractor, and the American tractor at that. They have adopted the method of tractor farming because it does quicker and better work and produces greater crop yields. That is the important thing and the reason why the tractor will soon find its way to every farm of reasonable size.

With cheerful philosophy and sober industriousness the German prisoners in France are settling down to making the best of things. From the standpoint of the government and those who direct the nation's energies in wealth production, the important thing about prisoners is the work they can do. In France a careful system has been evolved to sort out every kind of artisan, craftsman and laborer and assign him where his abilities are most in demand The farm laborer has been sent to the farming districts, the stone-mason and the carpenter to the towns and villages in need of reconstruction. France has been singularly fortunate in that most of her prisoners are Germans, who are among the best all-round workers

Latest Model of the Ford Tractor

By Combining Unit Power Plant With Final-Drive Housing, Conventional Frame is Eliminated

ALTHOUGH the Ford tractor is now being produced at the Dearborn, Mich., plant at the rate of 50 per day, this output is not available for domestic use. The entire energies of the factory are being concentrated upon supplying tractors on Government orders and extensions are being made constantly to enable the company to increase the daily output.

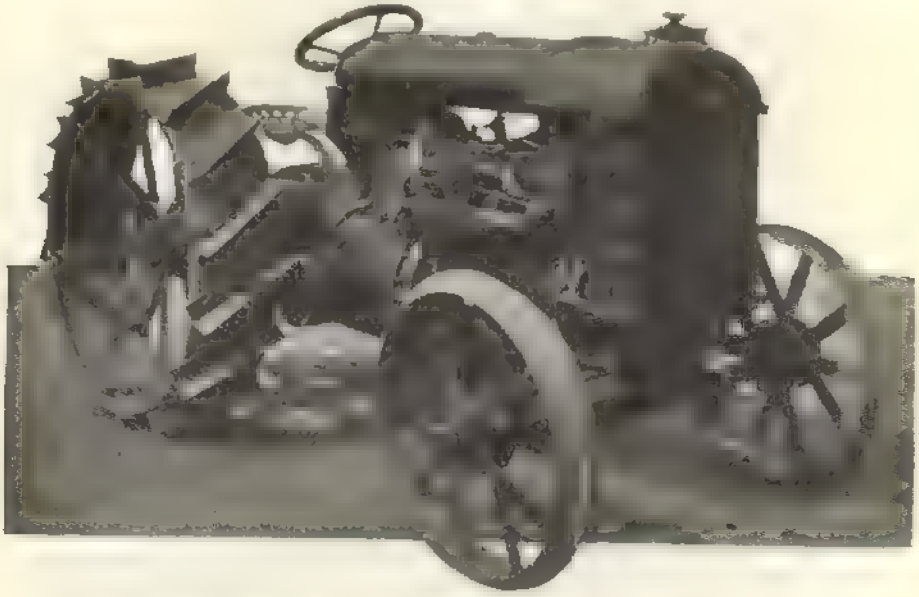
Although the Ford tractor is considered marketable, experiments with the same are being made daily. At present there are no less than fifteen of them working on Henry Ford's farm, while a number are engaged in experimental work on the company's holdings, about 7500 acres, around Dearborn.

This tractor is the third model put out by Mr. Ford and is much larger in size, particularly as to mechanical features, than any of the previous models. It is also slower, its maximum speed being between four and five m.p.h. The former models did not have enough power to satisfy Mr. Ford and there were certain types of service for which they did not prove satisfactory, especially work of a heavy hauling kind.

Unit construction characterizes the Ford tractor and the outstanding feature is the bolting together of the engine, transmission and rear axle housing. This construction eliminates the conventional frame. Throughout the whole machine simplicity, light weight and the best of materials are incorporated. The tractor weighs 2500 lb. It is designed to do the work of four horses.

A careful examination of the Ford tractor engine discloses some of the earmarks of the regular Ford engine. The engine is a four-cylinder, 4-in. bore and 5-in. stroke, L-head block type. The cylinder block, crankcase and pistons are all cast from a semi-steel composition which includes about 15 per cent. of scrap steel in its make-up. Three bearings are provided for the crankshaft, which is 2 in. in diameter. The crankshaft bearings are 3¼ in. long and have interchangeable caps.

The camshaft is driven through a helical gear from the crankshaft. The camshaft is also mounted in three bearings. Ignition is by a flywheel magneto which is similar in design to the well-known construction used in Ford pleasure cars and trucks. The voltage varies from 6 to 14, depending on the



Three-Quarter View of the Ford Tractor, Showing the Sturdy-Looking Design

The kerosene fuel tank is carried directly above the engine. The engine, transmission and the final drive are practically one unit

speed, the maximum voltage being obtained at 1000 r.p.m.

From the magneto the current is delivered to a single coil. The distributor is mounted on a vertical shaft which is driven from the camshaft.

Lubrication of the engine is effected in somewhat the same manner as in the Ford

Front View of the Ford Tractor

Note the rocking front axle and steering connections. Radius-rods are attached to the under side of the crankcase.

pleasure car engine. The flywheel magnets are used to throw the oil into a scoop fitted to the end of an oil pipe. The oil pipe leads to the front of the crankcase where the excess lubricant overflows to the troughs which are directly underneath the connecting-rods. The spray thrown up by the connecting-rod ends lubricates the interior of the engine as well as the timing gears and main bearings. The capacity of the system is 2½ gallons. The level of the oil is carried somewhat higher in the final drive compartment so as to thoroughly lubricate the transmission and the worm gear.

Cooling is effected by the simple thermo-syphon system. The radiator has a capacity of 11 gallons. The water jackets extend the entire length of the cylinder, clear down to the crankcase flange. Especial attention is given to the design of the cooling system in that all water passages are designed so that steam pockets cannot form. The radiator is of the flange-tube type, having an 18 x 20-in. core with a thickness of 4 in. Increased cooling is effected by a four-blade fan of airplane type, being 17 in. in diameter and operated by a 2-in. flat belt. Two-inch cast iron pulleys are fitted at the end of the crankshaft and the fan shaft. The fan is ball bearing mounted.

Arrangement for Fuel Supply

This tractor is designed to run on kerosene, for which purpose an especially large tank is provided, having a capacity of 21½ gal. The tank is mounted directly over the engine. For starting, a 1-qt. gasoline tank is fitted. The carburetor is of the single bowl type and is connected with a vaporizing manifold, in which the intake passes through a coil surrounded by the exhaust gases. At first the kerosene is sprayed into the primary air. After the mixture has been thoroughly vaporized, additional air is allowed to enter at a point above the coil. A damper on the manifold is fitted for controlling the amount of heat applied to coil.

One of the Ford Tractors Doing Experimental Work on Henry Ford's Farm

Clutch is of the multiple disc type, running in oil, and is comprised of 17 tempered steel discs. The discs are 7 in. diameter and have an effective working width of 1 1-16 in. The discs are held in engagement by six 80-lb. springs.

The transmission is of the three-speed type, all gears and shafts being of chrome vanadium steel. The shafts are carried on ball bearings which are capable of taking both radial and thrust loads.

The final reduction is transmitted by an undermounted worm gear, having a double-thread straight worm with a pitch of 1.2 in The worm shaft is supported at the rear end in a duplex radial and thrust bearing. The worm is made of chrome vanadium steel, while the worm wheel is of aluminum bronze which is a composition of 10 per cent. aluminum with 90 per cent. copper. The worm wheel and differential housing are bolted together with twelve bolts. The differential, of four-pinion type, transmits the drive to the semi-floating rear axle. The driving wheels, which are 42 in. in diameter, are mounted on the shaft by means of a slotted, tapered hub filling provided with a flange drilled for four heavy cap screws.

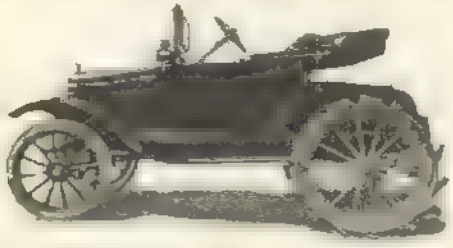
An automobile type steering wheel is used. The hand wheel is 18 in. in diameter and the steering reduction between pinion and sector is 3½ to 1.

The front wheels are made of hot rolled steel and are constructed of built-up T section, the spokes being riveted between two angle irons placed back to back. A flange projecting outward serves as a skid ring. The front axle is an I-section forging, the wheels are carried on combination radial and thrust ball bearings. The clearance of the tractor is 11 in., the lowest point of which is at the flywheel housing. The tractor can turn in a radius of 21 ft. and can work steadily under a 1500-lb. drawbar pull or the equivalent of a two-plow load on the lowing or intermediate gear. It is interesting to note that very little cast iron is used in this tractor, the only case being in the valve heads. All other parts are either chrome vanadium steel, semi-steel, high-carbon steel or hot rolled steel.

The Geneva Adapto-Tractor

When the Adapto-Tractor is attached to the Ford it converts the pleasure car into a tractor for farm work, or a power plant that will run cutters, presses, buzz-saws and other farm machinery.

It requires about 20 minutes to convert the Ford into a tractor. No holes are bored for the transformation. The radius rods on the Ford rear axle are replaced with two 3-in. channel side members. These are left



The Geneva Tractor Attachment Installed

on the car permanently, strengthening the frame. The heavy tractor axle is then inserted, and two roller pinions are installed in place of the rear wheels.

A specially constructed fan and power plant prevent the engine from overheating. The materials used in the construction of the various parts are said to be durable and to make sturdy and stable members. When used as a power plant, the power is given direct through the crankshaft. A new mainshaft is fastened to the Ford crankshaft by a special jaw coupling of hardened steel. On this mainshaft is placed the belt pulley.

Simplicity of construction and ease of operation are features of this attachment. It is sold for $148 by the Geneva Tractor Co., Geneva, Ohio.

Tractors and Operators Wanted

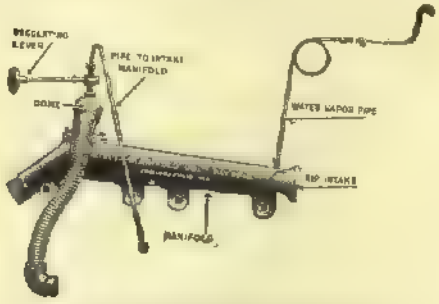
According to the reports from the farmers who attended the conference at Kansas City on increased grain production, the use of the small tractor received first consideration, and that millions of acres could be put into cultivation this Fall if tractors were available. The farmers also need competent operators for the machines which help solve the labor problem. That the farmer is anxious to become better acquainted with the mechanical construction and operation of the tractor is attested by the attendance of farmers at the First Annual Farm Tractor Demonstration of the Agricultural Department of Purdue University at Lafayette, Ind Such large numbers attended that those who had charge of the affair were obliged to abandon their demonstration methods and to separate the men into squads for instruction. Classes in various phases of tractor building were conducted throughout the week; tractors were assembled, and the men were taught the proper care of the machines. Each man in attendance was given an opportunity to handle a tractor. The tractors represented were Case, J. I. Case Plow Works, Emerson-Brantingham, Wallis Club, Avery, Tital, International, Marshall and Heider.

THE FORD SECTION

Hiatt Manifold for Fords

The Hiatt Manifold Co., Indianapolis, Ind., is marketing a manifold, for Fords only, for which more mileage and a smoother running engine are claimed.

It replaces the one on the Ford car and differs from the latter in that it has a hollow pipe on the inside of the body. This pipe conveys air from the outside which combines with the water vapor coming from the radiator through a small copper pipe. This mixture is superheated in passing through the pipe by exhaust gases around the internal pipe. Upon collecting in the dome, this



The Hiatt Manifold Attachment

superheated, vapor-laden air becomes a gas which combines with the fuel gas to produce a readily exploded mixture.

The Hiatt manifold is sold complete for $15, with all minor attachments for fitting to a Ford engine, complete directions, etc.

Shortless Timer for Fords

A timer designed to replace the one already on the Ford model T car is being made by the American Automobile Accessories Co., 2776 Francis Place, Chicago, Ill. The wires are well insulated and are so

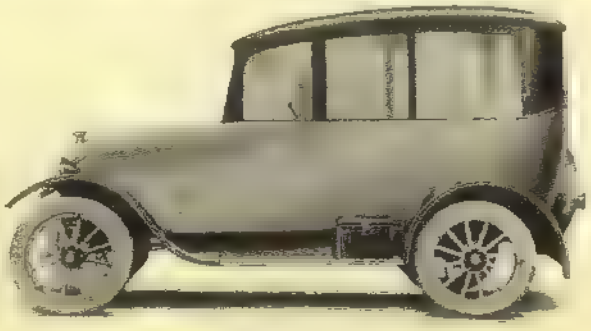
This Shortless Timer Replaces the One Now on the Ford Car

arranged that confusion is eliminated. Effective connections are made possible by the absence of binding posts

The shortless timer is made in two parts —the insulating block and the wire cable being one unit, while the commutator ring is made separate and can be replaced without touching the wires. This ring is strong and durable and retails for 75 cents The only connections necessary to make in attaching the timer are those on the dash terminals. The price of the timer complete with all necessary wiring is $5.

DeLuxe Sedan Body Combines Reliability and Comfort

This "De Luxe" sedan body was designed to meet the desire on the part of Ford owners to combine Ford reliability with the comfort and appearance of the more expensive enclosed cars. It is substantially constructed and well finished and its attractive lines and general appearance can be seen in the accompanying illustration. Together with the roadster, touring car and victoria, this new sedan completes a line of bodies that is being produced by the Detroit Auto Products Co., 44 Sherman Street, Detroit, Mich.



Over Fifty Accessories on This Ford Car

One would hardly think it possible to attach over fifty accessories and parts to a Ford car without giving it a grotesque appearance. But then there are so many parts that can be added or replaced which do not show on the surface that this can be readily accomplished. According to the Motor Car Supply Co., Ltd., of Calgary, Alberta, Canada, they have a local Ford owner who has all the accessories listed below attached to his "fiver." We are surprised that he hasn't a bumper.

1. Electric Starter.
2. Carburetor—Stromberg
3. Seat Covers.
4. One Man Top.
5. High Tension Magneto—Eisemann.
6. Bailey's Non-Stall Differential.
7. Leak Proof Piston Rings.
8. Eight Special Grease Cups
9. Accelerator—Apco.
10. Electric Tail Lamps.
11. Electric Side Lamps.
12. Klaxon Horn.
13. More Room Steering Wheel.
14. Special Steering Wheel Horn Button.
15. Waltham 8-day clock.
16. Ammeter.
17. Dash Board Switches.
18. Speedometer.
19. Dash and Trouble Lamp.
20. Cigar Lighter and Reel.
21. Instrument Dash Boards.
22. Tool Box.
23. Aluminum Running Boards.
24. Robe Rail.
25. Rear View Mirror.
26. Wind Shield Cleaner.
27. Cork Insert Trans. Bands.
28. Steer Easy.
29. Moto Meter.
30. Radiator Cap.
31. Oil Can Holder.
32. Starting Handle Holder.
33. Shock Absorbers
34. Radius Supports.
35. Cutout.
36. Demountable Wheels
37. Spare Rim and Tire
38. Tire Carriers.
39. Non-Skid Tires.
40. Exhaust Deflector.
41. Gasoline Gage.
42. Oil Gage.
43. Warner Lens
44. Pedal Pads.
45. Alweather Protector (Car Cool).
46. Electric Heater.
47. Door Pads.
48. Trojan Roller Bearings.

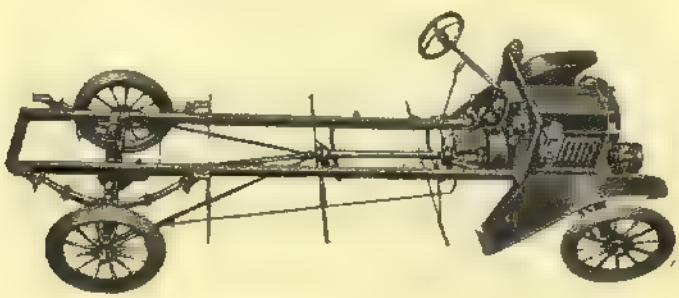
Additional equipment carried in Tool Box. Pull-U-Out, Special Jack, Special Pump, Socket Wrench Set, Weed Chains.

The "Perfect" Car Converter

An attachment, made in sixteen styles, lengths and carrying capacities, that converts the Ford pleasure car into a commercial car is being offered by the Convertible Equipment Co., Inc., 256 Broadway, New York City. This car converter lengthens the Ford wheelbase from 100 to 124, 130 or 136 in. A heavy steel chassis frame, 144, 150 or 156 in. long, replaces the Ford chassis frame. This frame is attached with eight bolts—no hot riveting, drilling, welding, cutting of frame or splicing being necessary.

The frame of the "Perfect" converter takes commercial bodies having a loading space back of the seat of from 72 to 120 in. A heavy drive-shaft extension, with naval bronze bearings, is furnished with each attachment. The capacities of the different styles range from 1000 lb to 2200 lb., giving them a wide range of service. Load balancing spring and a load distributing attachment prevent any destructive side strain and distribute the load to the wheels. Bodies of any design for various purposes can be obtained to fit this converter attachment

The price of the "Perfect" car converter ranges from $145 to $220, according to the capacity and wheelbase and length. Complete directions for applying this attachment with the prices of various accessory attachments are supplied with each order or upon request.



No. 12 "Perfect" Car Converter

This type has a 2000-ton capacity, a wheelbase of 130 in and a total length of 150 in. Price is $200

The Odell Truck Attachment

The Odell attachment makes a complete one-ton truck when installed on a Ford chassis. The retail price is $350 f.o.b. Atlanta. The attachment forms practically the rear half of the motor truck. This frame is 14 ft. long, and when attached to a Ford chassis gives a body space of 8 ft., 10 in. back of the driver's seat. The method of attaching makes the Ford frame a sub-frame and gives the combined frame much more strength and solidity than the original chassis of the car.

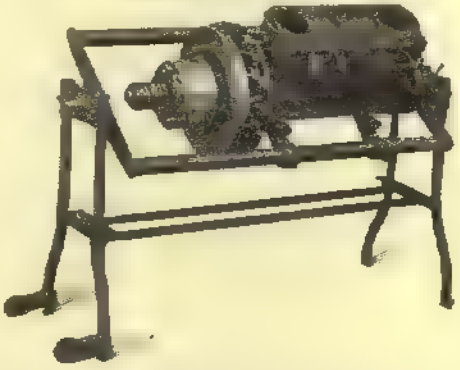
This attachment takes advantage of the Ford good qualities and adds to them a truck attachment that will carry "dead weight" loads of one-ton and over. The frame, of 4-in. channel steel, telescopes and reinforces the Ford frame. The two frames are bolted directly together at the front and at the side, and at the rear the Ford frame is riveted to a steel cross member on the attachment frame, insuring great strength and rigidity. The new frame is supported in the rear by carefully designed springs resting on a solid 2¼ x 1⅝-in. axle, equipped with roller bearings and heavy truck wheels with standard make solid rubber tires. There is a heavy relief or bumper cross spring over the rear axle to take care of overloading.

The Odell unit is so designed that practically 90 per cent. of the load is carried by the rear axle and only 10 per cent. on the Ford front axle and wheel. The rear axle assembly of a Ford is converted into a jack shaft and is rigidly attached to the frame by especially designed hangers. The Ford wheels are replaced with heavy sprockets which transmit the power to the rear wheel by heavy-duty chains. Emergency brakes, ample to handle loads on heavy grades, are provided on the rear wheels. The attachment is produced by the Odell One-Ton Truck Attachment Co., Atlanta, Ga.

Specifications

Carrying Capacity—2000 lb.
Frame—Length 168 in., width 32 in., with 4-in. channel rolled steel
Axle—Special axle steel, 2¼ x 1⅝-in. roller bearing
Wheels—Heavy truck type, 12-spoke, 32 x 3½ in.
Tires—Solid rubber, 32 x 3½ in., pressed-on type
Loading space of 9 ft. or more behind the driver's seat
Gear ratios on sprockets—20-tooth on jack shaft and 42-tooth on rear wheels
Driven by roller chains, heavy truck type, ⅝-in. diameter roller, ⅝ in. wide, 1¼-in. pitch.
Brakes—Emergency on rear wheels, expanding type, in drums operated by hand lever, 1-in. drum, 2½-in. shoe, lined with high-class material
Tread—56 in. front, center to center.
Weight of attachment—1000 lb.; with Ford complete, 2000 lb

Ford Motor Co., Detroit, is making 200,000 airplane cylinders of steel for the U. S. Government to be delivered at the rate of 1,000 per day at cost price. The Ford Co. has recently developed a method for making cylinders cheaply and the Government will gain the benefit of this new method.

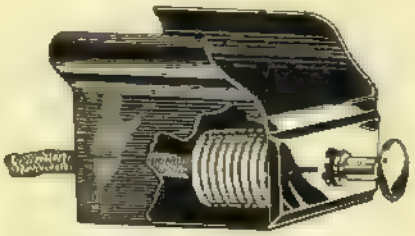


Revolving Stand for Ford Engine

This shows a revolving stand that quickly and easily handles the Ford engine when in the repair shop. It is built of iron and steel and will hold the engine at any angle for convenient repair. The stand is mounted on two wheels at one end, making it portable. The engine is attached by four clamps only, no bolts being used. Prices supplied upon request by the maker, The Nonpareil Mfg. Co., Cochranton, Pa

The Odell One-Ton Truck Attachment

Converts a Ford chassis into a one-ton truck with truck axle, bearings, wheels, tires, and a truck frame.



The Boko Dimmer for Fords

This illustrates the new Boko dimmer for Ford cars. Resistance is obtained through a specially constructed barrel resistance coil. This dimmer is designed not to injure the magneto or any part of the ignition or lighting system. The device is clamped over the steering post and the wire connected on the dash in a few minutes. The Defiance Welding Co., Defiance, Ohio, offers this accessory for $2.

Extension Hinges for Ford Windshield

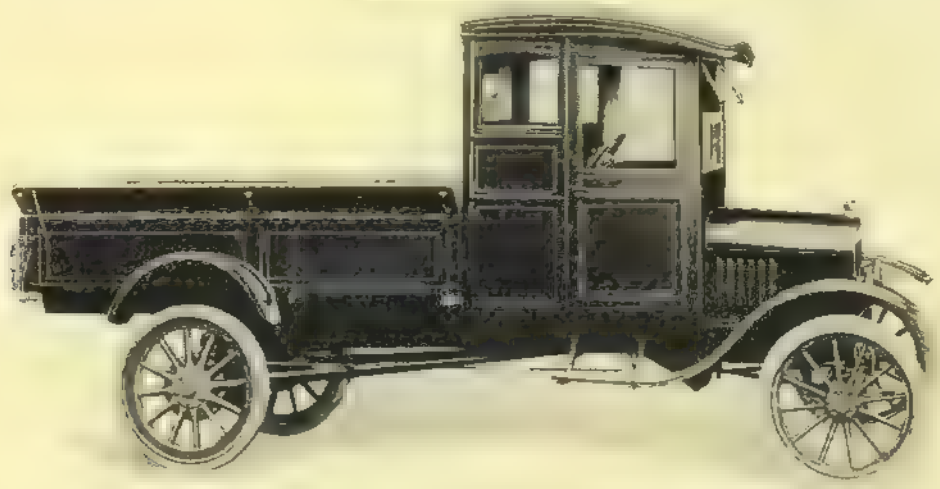
Extension swivel hinges that convert the Ford windshield into a rain-vision and ventilating type are being offered by the General Auto Specialty Co., 151 Berkeley St., Boston, Mass. The hinges of the Ford windshield are replaced by these new extension swivel hinges. The same screws and screw holes are used and the change requires but a few minutes. These swivel hinges are of stamped sheet steel and list for $2 per pair. The illustration shows the application of the hinges to the windshield.

Crankcase Repair Arm for Fords

This is a cast steel arm designed to take the place of a regular arm that has been broken. It can be fitted without removing the Ford engine by simply bolting it in position so that the repair can be made easily and without loss of time. The Hudson Motor Specialties Co., 1530 Real Estate Trust Bldg., Philadelphia, Pa., offers this device for $1.50.

The K. S. Auto Tail Light

This light has a 3½-in. ruby lens and the construction is heavy. A 6-8-volt bulb of 2 c.p. gives sufficient illumination to the license plate. The light comes ready to attach to the Ford car and sells for 75 cents with the bulb. It is a product of the Kilborn-Sauer Co., Fairfield, Conn.



The Parry Body for the New Ford Ton Truck, With an All-Season Cab

A line of bodies suitable for the new Ford truck is being manufactured by the Parry Mfg. Co., Indianapolis, Ind. Above is shown the No. 61 express body together with the No. 53 all season cab. The body is sturdily constructed and well ironed. If extra ventilation is desired in the cab, the pins are removed from the hinges and the right door taken off. There are hinged windows on each side of the cab and a curtain in the rear.

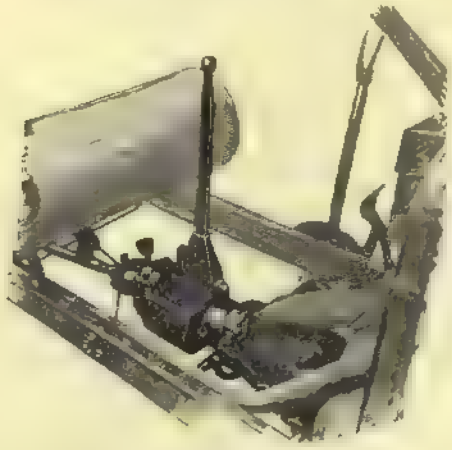
"2-in-1" Model Woodward Front-End Transmission for Fords

A reversible transmission for Ford cars, giving either overdrive or underdrive gear ratios, has been developed and is now marketed to the trade in addition to the original Woodward four-speeds for Fords. The new "2-in-1" model is manufactured for mounting in the forward position, which can be

The "2-in-1" Model Woodward Transmission

Opening this gear box requires the removal of only four bolts

reached by removing the floor boards. The gear shift lever runs direct to the gear box. The construction practically gives two transmissions in one, as it can be changed from overdrive to underdrive, or vice versa, by simply unbolting and reversing the gear-case. The underdrive assembly gives all drives under high, with direct on high, and the following gear ratios: Low, 15 to 1, second, 10 to 1; third, 5 1-6 to 1; high, 3 7-11 to



The Reversible Transmission

Accessibility through the floor boards facilitates lubrication and inspection of gears.

1; direct drive on high. When the overdrive combination is wanted, the transmission is unbolted, reversed and bolted in again. The overdrive position gives the following gear ratios: High, 2 2-11 to 1; third, 3 7-11 to 1, direct drive on third; second, 6 to 1; low, 10 to 1. It is apparent that the overdrive position gives extra high speed for touring cars or lightly loaded commercial vehicles. The underdrive gives a very effective low speed ratio for commercial work and heavy touring, such as a transcontinental trip. The reversibility enables a man to get full advantages of either drive by using a single 4-speed transmission. The underdrive has proven especially effective in commercial work, also in camp touring, where heavy loads, and sometimes a trailer in addition must be carried through all kinds of country. Mud and sand conditions also favor satisfactory performance of cars equipped with this transmission.

This front end transmission for Fords does not dispalce the Woodward rear end, four-speeds for Fords, but is marketed as an addition to the line. The price is $60 f.o.b. Los Angeles, and the Woodward & Rowe Co., Los Angeles, Cal., is the maker.

Device Makes Steering Easier

The International Sav-a-Life Fender Co., 539 Guardian Bdlg., Cleveland, Ohio, has perfected an attachment which overcomes the vibration and see-saw action of the Ford steering wheel.

A Near View of the Steer Relief Device

Steer Relief, as this accessory is called, is adjustable to the peculiar action of the Ford steering gear. It works with it to cut out see-saw action and vibration without hindering control. Weather and road conditions do not clog it, as all vital working parts are enclosed in a separate chamber.

The greater the turn the more the tension diminishes, but its steadying force continues to keep the car under absolute control, no matter how short the turn may be. Steer Relief is positive and is said to be very dependable in action.

Gas Motor Efficiency Co., Janesville, Wis., maker of spark plugs for internal combustion engines, will double its capacity to 1200 plugs a day, by adding a full night force.

The Axleford Three-Quarter Ton Truck Attachment for Fords

An attachment that reinforces the rear axle-housing of the Ford and increases its load capacity, making the Ford suitable for use in quick deliveries and light trucking, is being produced by the Axleford Truck Co., 4074 Broadway, Chicago, Ill. It consists essentially of a main load-carrying frame containing supports upon which two auxiliary springs are mounted.

The load-carrier fits over the rear axle-housing and is clamped to it in such a way as to become virtually a part of it and materially strengthens it. In attaching, only eight bolts are used and no part of the Ford frame or adjustments are disturbed. Bushings are fitted in all bearings and spring eyes of the Axleford.

The load is balanced over the load-carrying axle so that sagging and side swaying and the tendency to skid are minimized. The cost of this attachment is $87.50.

Detailed Specifications

Axleford Load-Carriers.—Electric steel support for the Ford rear axle housing, with spring supports integral, all heat treated. This clamps to the Ford housing at four points.

Springs.—2½ in. wide, 44 in. long, four leaf, flexible, offset 2 in., making rear ends 4 in. longer than front ends. Spring eyes fitted with renewable bushings.

Spring-Seat Pivot Bolts.—¾ in. diam., case hardened and ground, fitted with grease cups for lubrication. Secured by castellated nuts and cotter-pins.

Spring Links.—Drop forgings of extra lengths—2½ in. center to center of spring shackle bolts.

Spring Seats.—Crucible steel.

Spring Hangers or Brackets.—Crucible steel of substantial design and large area where they attach to the body. Bolts, with lock-washers, are furnished for attaching to

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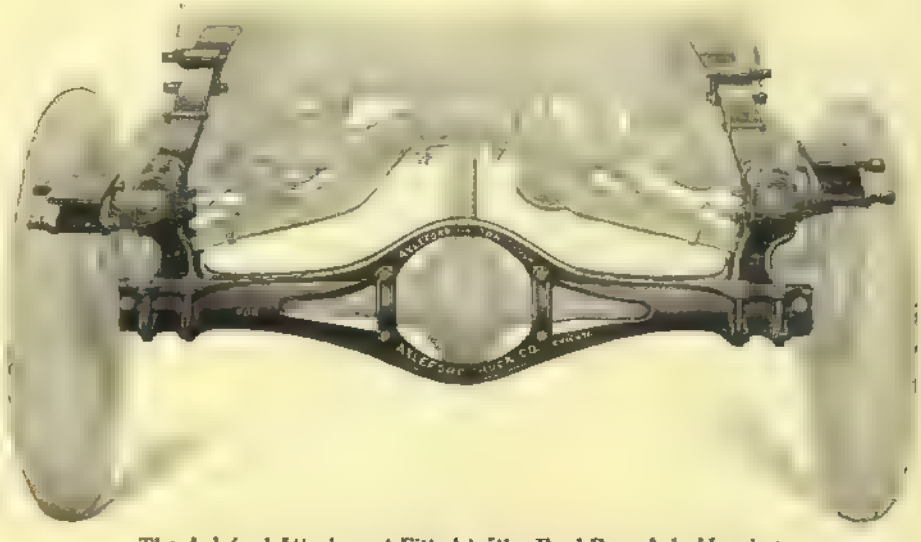
The Municipal Council of the City of Paris has placed orders for $2,260,000 worth of trucks—100 Flat 3½-ton and 100 Pierce-Arrow 5-ton trucks, and $620,000 on spare parts. These trucks are to be used in the distribution of coal, flour and general food stuffs in Paris, and surrounding territory, during the coming winter. The trucks will be under the entire control of the city and all drivers and mechanics will be in the pay of the city. Special garages are being erected.

Ford Cylinder Reamer (No. 3000)

As shown it has inserted high-speed blades and is made for reaming cylinders that are slightly worn. It will finish the cylinder to fit the over-size piston furnished by the Ford Co. to be used on rebored cylinders. The Alvord Reamer Co., of Millersburg, Pa., sells this reamer for $25



The Axleford Attachment Fitted to the Ford Rear Axle Housing

The Goliath Truck Equipment

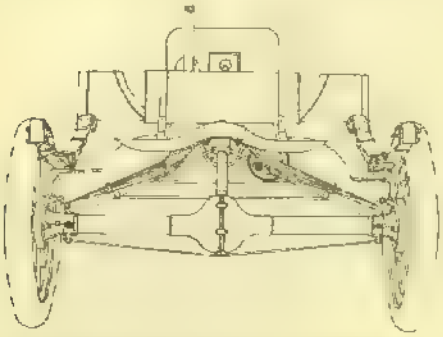
The making of a motor truck from a Ford pleasure car at very low cost for the installment of equipment, or additional parts, is said to have been attained by the Goliath Commercial Car Co., Chicago, Ill.

The equipment, complete, consists of: First, truss rods, two axle clamps, screws and nuts. Second, two spring hangers, that fasten to the inside of the brake housing with spring pads, clips, ties and nuts for same, two side springs, 44 in. long, 2 in. wide, and seven leaves with body hangers, ears and bolts. Third, two high duty bearings, two housings for them that fasten by use of the present bolts through the spokes of the wheel and bolts and nuts for

The price for the units is $65 and the units can be divided, the first and second costing $40, with the third, separately, $25. As the load of 2000 lb. can be carried on these high duty bearings it is possible to equip the car with solid rubber tires and with the side spring construction it is also possible to equip with a delivery body of a length 60 in. back of the driver's seat.

Where it is desired to use a longer body than 60 in. back of the driver's seat the chassis should be lengthened and this requires a special frame to give longer wheelbase, a propeller shaft, a housing for the propeller shaft, two flanges to hold each end of the housing and a cross member to hold the universal joint as extended

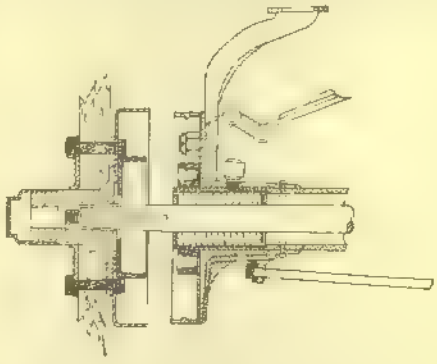
In the Goliath attachment nothing is changed on the Ford car and the only tool



The Goliath Commercial Car Attachment
Showing the two truss rods and the auxiliary springs

necessary to change the car to a truck is an adjustable wrench. In the original construction inside of the rear brake housings are expanding bands and cams, or in other words, the emergency brake mechanism. This leaves quite a vast amount of room inside of the brake housings and in this available room has been fitted a secondary housing, using the same bolts to pass through the outside flanges of the wheels to the spokes fastening this secondary housing securely to the inside of the wheel hub and the emergency brake housing. This leaves a vacant space of about ¾ in. wide and 5 in. diameter. Adjusted to this space is a high duty bearing which fits around the inside projection of the Ford rear axle, this bearing, in turn, resting in the secondary housing, previously mentioned, as being held in place by the bolts passing through the rear wheel hub flange and spokes.

The regular construction of a Ford rear axle, its housing, the Hyatt bearings, the



Section View of Axle and Wheel Hub

sleeve and necessarily the spindle of the axle, project through the previously mentioned emergency brake housing to the extent of ¾ in. It is this projection which forms the outer housing of the rear Ford axle which rests inside of the Goliath high duty bearing, which necessarily carries the entire weight and capacity of the rear construction, making it one of the semi-floating type.

With the Goliath installation the Ford car is equipped with practically two axles—the Ford rear axle transmitting the power and the Goliath auxiliary carrying the load.

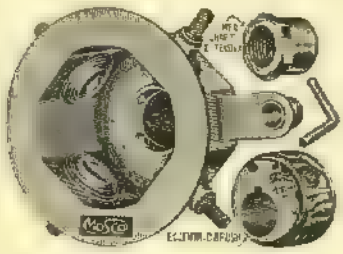
The end of the Ford rear axle housing, where it projects on the inside of the emergency brake housing, is capped by metal and a felt washer to retain lubrication for the Goliath high duty bearing. With the Goliath equipment the metal cap is removed and felt packing substituted for the ends which prevents escape of lubrication and at the same time also provides to avoid friction for both the Goliath and Hyatt bearings.

The Goliath Co. are also building 1-ton form-a-truck attachments with chain and sprockets for $350 and worm-driven attachments, 1½-ton, for $395.

Ohio Truck Attachment Co., Cleveland, O., has been formed with a capitalization of $5000.

Improvements to Bemus Timer

The Bemus timer for Fords, a description of which appeared in the November, 1916, issue of the journal, page 267, has been improved for 1917. The contact brush is now one unit, mounted eccentrically on the time shaft. Over the die-moulded center piece or



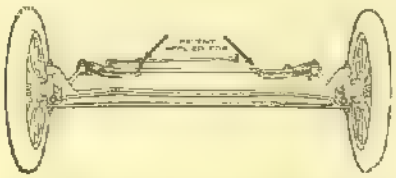
The Improved Bemus Timer Unassembled

brush a section of steel tubing ⅛ in. wide is fitted. The contact surface is 3½ in., as compared with 1¼ in. on the former type. A proportionate increase in mileage is said to result.

With the new roller construction the contact is also lengthened to 55 deg., and increase of 10 deg. over the older type. These extra degrees of contact lessen the number of missed explosions and cause the engine to run smoother. The timer is mounted on the shaft by an extension piece that is screw-threaded to the shaft and runs in a ball bearing placed in the recess of the timer shell. The shell is heavy pressed steel and has a handle riveted on. The entire assembly is bronze finished

The Bemus timer is a product of the Motor Specialties Co., Waltham, Mass.

Buda Co., Harvey, Ill., is offering $1,000,000 worth of 7 per cent. cumulative preferred stock for sale. This company manufactures motor truck engines and other equipment.



The Little Giant Steering-Rod Brace

This silencer and brace for auto steering rods is said to automatically keep the front wheel in perfect alignment, to do away with frequent need of replacing bushings, repairing knuckles, adjusting rods, etc. It is declared that it will prevent oscillation, doubling up and rebounding of the front wheels. This brace is made from oil-tempered spring steel and is firmly attached to the steering rods, holding every rod, knuckle and joint rigid. The price per pair is $1 and the maker is the American Device Co., Denver, Colo.

Hub-Cap Demountable Wheel

A Hub Cap wheel mounted on a Ford car can be changed by simply removing the hub cap, which requires but one operation. No part of the Ford car is destroyed in attaching and the hubs remain on the car at all times. An extra wheel with an inflated tire can be carried for reserve.

The wheels are suitable for both the front and rear and they carry a 30 x 3-in. or

Hub-Cap Demountable Wheel Unassembled

30 x 3½-in. tire. The saving of time, elimination of trouble, improved appearance of the car and a strengthened hub are the advantages claimed for this attachment. The Auto Accessory Mfg. & Sales Co., Benton Harbor, Mich., is offering this product for $15.

Neutraline, for Acid Burns

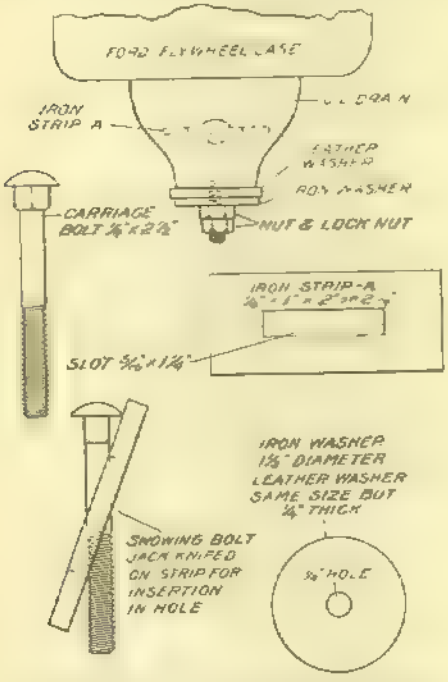
An antidote for acid burns, marketed under the trade name of Neutraline, is a product of the McGraw Co., Omaha, Neb. This product was described on page 217 of the September issue of the Journal.

The Semple Rubber Co., Trenton, N. J., is distributing a booklet containing valuable information on trade acceptances. In its pages are found definitions of a trade acceptance, the advantages to the buyer, seller and bank and also a general discussion of the conditions surrounding the use of such an indirect medium of exchange. The contents of the booklet are the work of the Federal Reserve Bank of Minneapolis A facsimile of an accepted draft is printed on the inside page of the cover.

Ford Shop and Road Repair Hints

Flywheel-Case Drain Plug

The following describes a good emergency repair for Fords where the bushing into which the drain plug under the flywheel case is threaded, has turned out with the plug, owing to its not being riveted in the


FORD FLYWHEEL CASE
IRON STRIP A
CARRIAGE BOLT 5/16" x 2 1/2"
NUT & LOCK NUT
IRON STRIP-A
SLOT 5/16" x 1 1/4"
IRON WASHER 1 1/2" DIAMETER LEATHER WASHER SAME SIZE BUT 1/4" THICK
SHOWING BOLT JACK KNIFED ON STRIP FOR INSERTION IN HOLE
5/8" HOLE

Contrived Stopper for the Oil Drain Hole in a Ford Flywheel Case

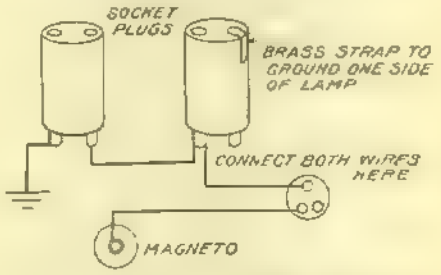
aluminum flywheel case properly. To rivet it in again requires that the engine be taken entirely down—a long job for such a trifling repair. This emergency repair will hold the oil in just as well until the engine is overhauled, when a new bushing or flange may be put in if desired.

The materials required are a ¼-in. carriage bolt 2½ in. long, two ¼ in. nuts, an iron strip ¼ x 1 x 2 or 2½ in. long with a slot 5-16 x 1¼ in., a leather washer ¼ in. thick by 1½ in. diameter with a ¼-in. hole, and an iron washer the same size as the leather one, but of any thickness.

The carriage bolt will jack-knife in the strip, allowing it to be inserted in the case. The strip can then be straightened out horizontally. The edges of the strip will grip the soft metal of the case and prevent its turning, while the square shoulders of the bolt fit in the slot and prevent its turning. The strip can be any convenient length just so it is ½ in. longer than the neck of the opening. The slot should be just enough wider than ¼ in. to allow the square shoulder of the bolt to fit in without turning.—Lloyd J. Moffit, So. Pasadena, Cal.

Ford Lighting Suggestions

Herewith are drawings of two helpful hints to Ford service stations and garages.



Connections for Changing Ford Head-Lamp Wiring From Series to Multiple

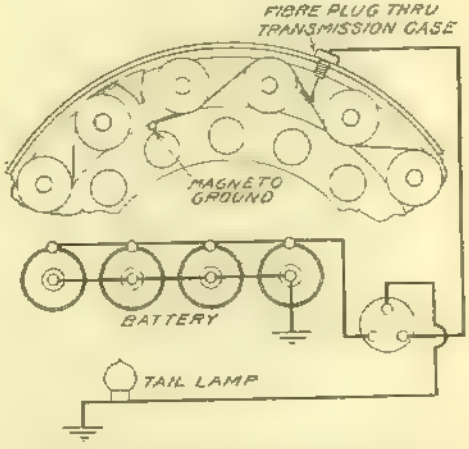


Diagram for Connecting the Magneto and a Battery to the Tail Lamp on Ford Cars

The two coils on the magneto give the same amount of current as the four cells of dry battery connected in multiple.

I think they are self-explanatory.—Harlan E. Eckler, Los Angeles, Cal.

Making Ford Dash Watertight

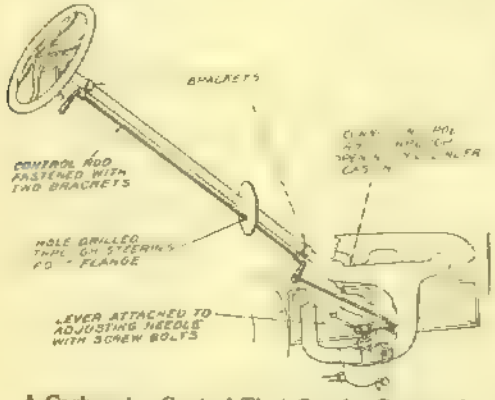
Some of the 1916 Fords have trouble when it rains by water leaking down between the body and dash on the coils. I corrected this trouble by getting a piece of rubber about ⅛-in. square, such as is used

on toy aeroplanes to wind them up. The rubber comes in long lengths. Loosening the two bolts at the top of the dash to the body, slipping the rubber down between the dash and the body and tightening the bolts compresses the rubber, making the joint water tight.—E. H. B., Philadelphia, Pa.

Handy Carburetor Control

A control lever for adjusting the needle valve of the Ford carburetor, which is easily constructed and placed in an accessible position under the steering wheel, promotes efficiency and economy in the operation of this car. It eliminates the necessity of reaching forward to manipulate the dash control, diverting the attention of the driver from the road with its attending danger.

This attachment can be constructed of two small steel rods, one secured on the steering column with two brackets, made of sheet metal, the other attached to the end of the first and passing through the opening in the cylinder casting of the motor above the throttle rod.


BRACKETS
CONTROL ROD FASTENED WITH TWO BRACKETS
HOLE DRILLED THRU ON STEERING POST FLANGE
LEVER ATTACHED TO ADJUSTING NEEDLE WITH SCREW BOLTS

A Carburetor Control That Can be Operated From the Steering Column

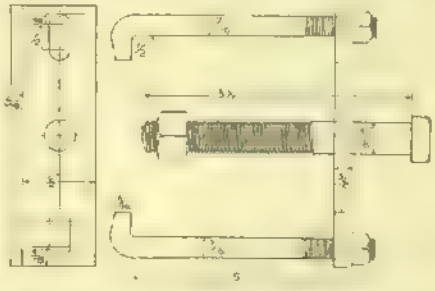
A flat bracket is secured to the knurled knob of the adjusting needle by two small screw bolts. The other end of this plate is drilled and the bent end of the connecting-rod is passed through it.

The cost of the materials for constructing this convenient fixture is nominal and frequently suitable materials may be already at hand. This device will be found exceptionally convenient in cold weather and on hilly and sandy roadways, where the carburetor mixture must be frequently enriched to secure the maximum power from the engine, while during warm weather or on fairly level roadways a leaner mixture will mean economy in the operation of the car.—G. A. Luers, Washington, D. C.

Transmission Clutch Puller

The illustration herewith is self-explanatory of the construction of a Ford transmission clutch puller which I made with materials at hand and at no other expense, outside of my time, except 25 cents for the use of some tools.

In using the puller the two hooks are turned outward, inserted in the small holes



Puller for Extracting the Drum of a Ford Transmission Clutch and for Similar Purposes

in the transmission disc drum and then by turning the hex nut on the middle bolt or holding this nut and turning the bolt itself the drum is easily pulled out.

The puller can also be used for pulling the large and small timing gears or in fact any other pulling work on the Ford car.—G. W. Stirton, Long Beach, Cal

Removing Ford Steering-Knuckle Bushings

Here is an easy way to remove the steering knuckle bushings of a Ford car. The end of the bushings go in against a shoulder in the steering knuckle and it is rather difficult to get a place for a punch to rest upon when driving the bushings out. My way of doing this is to tap the bushing out with a ⅝ in. U. S. Standard tap and screw in an old ⅝ in. machine bolt, then drive with a punch on the end of the bolt and out comes the bushing.—Earle H. D. McIntosh, Albany, Ore.

Continental Auto Parts Address

Due to a typographical error, the home of the Continental Auto Parts Co., whose foot rest was described and illustrated on page 227 of the September issue of the Journal, was given as Knightstown, Md., instead of Knightstown, Ind.

Phenix Truckmakers Co., of New England, has been formed to handle the New England production of the Chicago company of similar name. Salesrooms have been opened at 1121 Commonwealth Ave., Boston, in charge of W. K. Nason.

Ford Questions and Answers

Ford Hub-Cap Speed Wrench

Where can Hub cap speed wrench mentioned by Murray Fahnestock in the June, 1916, issue, page 274, be purchased?—Wurtele-Veregge Machine Co., St. Joseph, Mo.

ANSWER.

These hub cap wrenches were originally made at one of the Ford factory branches for use on the assembling line. They proved so satisfactory that the repair shop managed to get some of them and each man who worked on rear axle or front axle repairs was provided with one of these wrenches. These wrenches were hand made by the Ford Motor Co., and I am informed that they will not make up and sell these wrenches to others. I have been trying to locate a maker for these wrenches, but thus far have been unable to do so.

However, I think that one of your mechanics could work up the two steel discs out of three-eighth or half inch steel plate, and then a blacksmith could forge the brace handle in a short time, from the sketch and description given in the Automobile Trade Journal.—M. F.

To Run Ford on Railroad Tracks

Can you refer me to any manufacturer who would make an appliance so that a Ford car could be equipped to run on a railroad track?

I suppose it would be necessary to have flanged wheels and stationary steering gear. —H. L. Zobel, Sea Bright, N. J.

ANSWER.

We quote from a letter received from the Youngstown Steel & Iron Co., Youngstown, O., as follows:

"We are not in a position to state whether we can make these wheels for you or not. At any rate, it would not pay us to go into the proposition, unless we had the assurance of large quantities, as the dies would be very expensive. For your information will state that we make pressed steel stampings in many styles and shapes, including pressed steel wheels to order, where large quantities are specified, but have no dies for anything that would be suitable for your purpose."

Several years ago a firm made flanged steel rims, but we know of none making them at the present.

A local wheelwright should have no trouble making a suitable set of wheels for this use. The wheels should not be too small, or the engine will run faster than necessary, causing wear and wasting gasoline. You will also find it convenient to install a set of special gears in the rear axle to give a gear ratio of 3 to 1, or even higher, for the grades on rails are insignificant, compared with those on an ordinary road.

You can lock the steering gear, in the straight ahead position, by fastening a couple of steel strips around the steering post, between the dash and the lower bracket. One of these strips could be fastened to the side member of the chassis frame and would keep the steering post from turning. The steering wheel itself could then be removed entirely, or freed from the control of the wheels, by removing the three small gears of the reduction set on the top of the steering column.—M. F.

Goodyear Tire & Rubber Co., Akron, Ohio, has purchased in Gaveo on rue Marquez, de S. Vicente, Brazil, 13 acres of land on which a rubber factory will be erected. The plant will be in operation within fifteen months after the plans are approved.

Adams-Williams Mfg. Corp., New York City, at a special meeting of the board of directors, elected Francis C. Schwab, president. C. D. Williams was re-elected vice-president, and L. W. Schwab was chosen as secretary and treasurer. The company is manufacturing and marketing a patented convertible top or glass enclosure for pleasure automobiles.

Hawkeye Tire & Rubber Co., Des Moines, Ia., which heretofore has been doing a local business, has installed new equipment which will enable it to increase its capacity to 600 tires per day. The business will now be extended, the first new connection being the Kissey Auto Supply Co., Los Angeles, Cal., and others will be made as fast as production is extended.

The Detroit Truck Co., of Detroit, recently secured the services of four men who have attained success in the pleasure and commercial industry. H. A. Conlon, for the past two years assistant sales manager and field sales manager of the Federal Motor Truck Co., as sales manager; E. A. Haskins, formerly service manager of the Federal, as factory manager; D. F. Whittaker, for the past two years as assistant manager of the Federal Co. as advertising manager, and H. E. Pierce, for nearly ten years purchasing agent of the Regal Motor Car Co., as director of purchases.

1918 Announcement

It has not been necessary to make radical changes in the Glide chassis for 1918. Its efficiency and freedom from mechanical defects or chronic trouble have proved the correctness of its mechanical design. Many refinements and new improvements have, however, been made. The body lines are more graceful the appointments more luxurious—and the equipment more complete.

GLIDE SIX

efficiency and superiority have been demonstrated by actual performance under the most difficult road conditions. For over sixteen years it has given steady, satisfactory service.

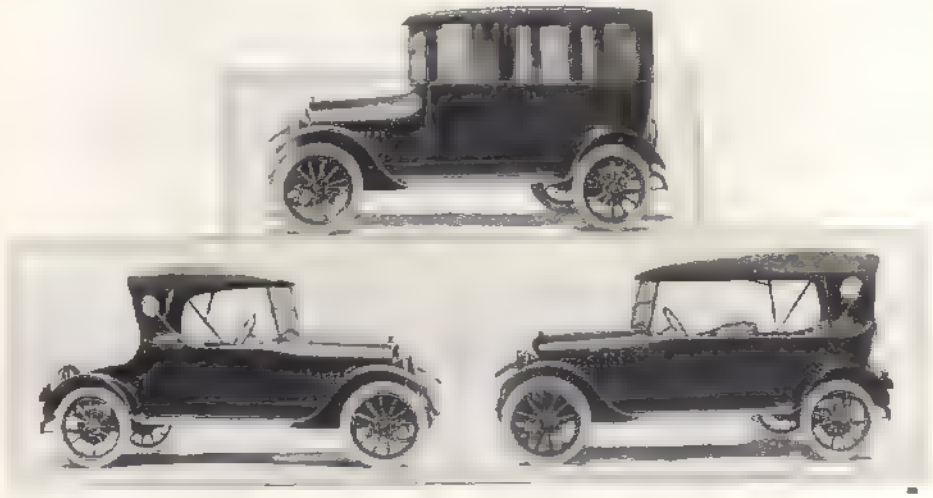
At the price—$1395—the Glide Six offers greater value than any other "Six" which has equal specifications and as complete equipment.

WRITE FOR SPECIFICATIONS and detailed information regarding new 1918 Glide Six Touring Car, 4-Passenger Roadster, and Sedan Models

THE BARTHOLOMEW CO., 210 Glide St., Peoria, Ill.

Refinements on the 1918 Maxwell

WITHOUT a change of model, the Maxwell Motor Co., Inc., Detroit, Mich., has made several improvements on the Maxwell "25" chassis, its sole product since 1914. The latest refinements add much to the appearance and mechanical excellence of the car. The wheels, instead of just the rims, are demountable and an extra wheel goes with each car. The frame is now 6 in. deep instead of 3 in., and the body rests directly on it instead of on projecting side pieces. The body lines are more attractive and they blend into the cowl and hood. The full crown, one-piece fenders, sloping windshield and other body improvements give the best appearing Maxwell ever placed on the market.



Three Models of the New Maxwell Line for 1918

Above is shown the Berline model, which sells for $1095. Below, at the left, is the Roadster, and at the right is the Touring Car, both of which sell for $745

Besides the body refinements some important changes have been made on the Maxwell "25" chassis. The ignition and starting units remain the same, with a change in the wiring system. A straight 12-volt single-wire system is now being used on the starter and lights. This method is an added step toward simplicity.

The electrical starting switch has been redesigned and is simpler in construction and action, being now only a single-pole switch. The starting pedal operates this switch and meshes the starter gear with the flywheel. This pedal has an automatic magnetic lock attached which prevents the starter gear from being thrown in mesh while the engine is in motion.

There has not been any change in the engine other than widening the fan belt. This fan belt also drives the generator. By using this method the use of the often troublesome over-running starter clutch is eliminated. The wheelbase has been lengthened from 103 in. to 109 in., which in addition to giving more body room and a refined appearance, makes a smoother riding car. A 6 in. channel frame is being used and the splash guards have been dropped from the car. The result is a much wider running board.

An improvement in the rear spring has been made by substituting a half-elliptic compensating underslung spring of new design for the three-quarter scroll elliptic. The spring is 49 in. long and its being hung under the axle makes the car lower and facilities handling on country roads. It is said that all these changes have not added to the weight of the car.

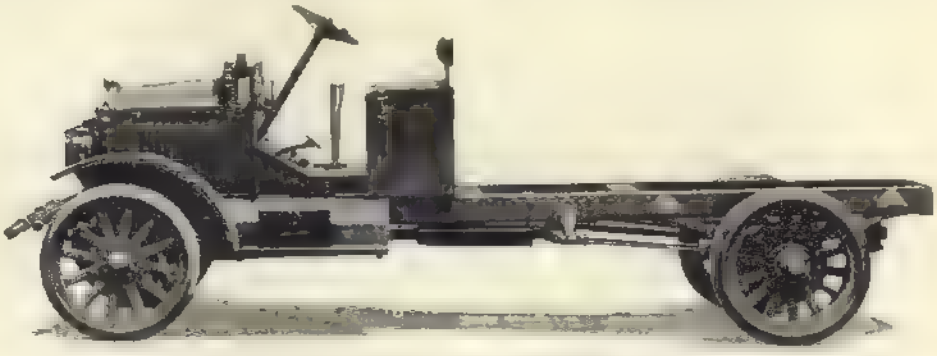
The Maxwell chassis is equipped with five different styles of bodies. They are the five-passenger touring, staggard seated three-passenger roadster, six-passenger Berline, three-passenger coupe, and the sedan. The roadster and touring cars sell for $745 each, while all of the closed types are priced at $1095. A winter top model sells complete for $855. All prices are f.o.b. Detroit.

COMMERCIAL MOTOR CAR DEPARTMENT

Spring Mounting Features Armleder

THERE are many features of design in Armleder two-ton trucks manufactured by the O. Armleder Co., Cincinnati, Ohio, that are distinctly unusual. The detail of the design is largely original and the result of careful study of the means and methods of overcoming difficulties that are common in truck construction and operation. One of the most striking features of Armleder individuality is the patented springs without shackles or shackle bolts. The springs float under a spring block which is a heavy casting attached to the frame. Every leaf of these springs is made of vanadium steel and it is triple heated. On the Armleder spring mounting the clips are U-shaped and are made accurately of one piece of round bar steel. They cannot creep on the springs. The spring pad is machined on one side to fit perfectly over the axle and on the other side it is machined to fit the spring. All points of contact between the axle, pad, spring and plate are carefully white-leaded so that air and water are kept out of the joints. The ends of the springs rest under spring blocks, which are castings attached to the frame. When the truck is empty the load rests on the flexible tip of the springs, and when the truck is loaded the weight rests further down on the spring where it is thicker and more resistant. Front springs are free, like the rear springs at the rear end, while a fastening with a very large bearing surface is provided at the front end.

The radius rods which take the drive off the springs in Armleder construction are exactly the same length as the rear section of the propeller shaft and exactly parallel with it. The result is that the weaving of the frame up and down affects the radius rods exactly as it affects the propeller shaft.



The New Two-Ton Armleder Chassis, Which Has Unusual Spring Mounting

The radius rods are also so nearly parallel to the frame that as it weaves up and down no forward pushes or backward pulls are transmitted to the rear axle. This gives the axle a longer life before crystallization sets in The front end of the Armleder radius rods have the usual joint to permit up and downward action and they are also swiveled so that torsional strain is practically impossible. Radius rods are fastened to the rear axle by the spring pad. This is accurately machined to fit and it clamps over the axle so that the strain is taken by the heavy steel block and does not fall on the spring clips. All moving parts are bushed.

Armleder frames are made of ¼-in. pressed steel channels 6⅛ in. wide. The

strength of the bracing against sheering out of square is the most marked feature of Armleder frame construction. Four cross braces are used, one in front, one in the rear and two in between. Each of these four members is strongly gusseted and the gussets instead of being bolted on are integral with the cross member. To make the frame sheer out of square the sheering force would have to overcome very solid riveting at twelve points. The bracing does not stiffen the frame to the point where it interferes with the torque. All joints in the frame are hot riveted by hydraulic pressure.

A View of the Rear End of the Armleder Chassis

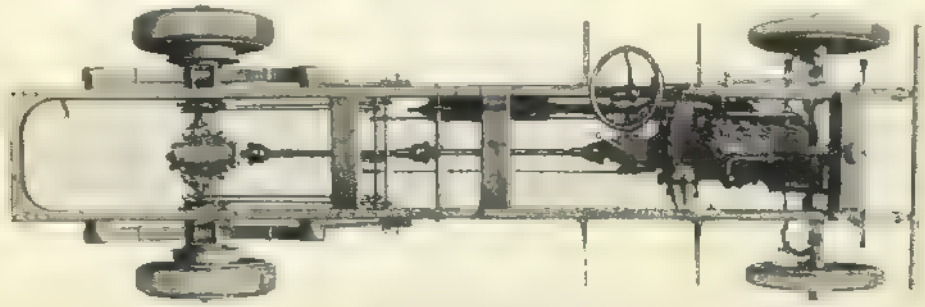
Showing the unique spring rest, the radius rods, an end of the full floating rear axle and the lined brake bands.

The footboard and dash in Armleder trucks are held in one solid unit by the use of sturdy cast steel brackets which are bolted to the frame, bolted to the dash and then to the floor boards. The floor boards are 10 gage blue annealed steel, stiffened by heavy steel ribs. The dash is fastened to the frame at the lower end and the upper part is braced against the steering column with a special metal brace. The whole dash assembly rests on the special cast steel bracket. Brake and clutch pedals, throttle control and the steering gear are all securely fastened so that there is no play and the action of the important units in the control system is entirely positive. The steps and fenders are supported by cast steel I-beam brackets, bolted to the frame by three bolts.

The unit power plant mounting employed in Armleder trucks places the transmission in a very accessible location immediately under the floor boards. The clutch is covered and the flywheel is so housed that oil and dirt cannot collect upon it and throw the engine out of balance. The flywheel housing forms the arms on which the motor is mounted. The engine is suspended at three points.

The radiator is of the cast tank type. Its removable core is made up of 143 seamless copper tubes ⅜ in. diameter. Each tube is individually wound with spiral fins. The tubes stand vertically so that the upper end of each tube passes through a copper plate at the top and bottom and is securely soldered on the other side of the plate. The total water capacity of the radiator is 5½ gallons. In the tubes and cylinder water jackets 9 quarts are carried, in the upper tank 5 quarts and in the lower tank 6 quarts. The tanks are supported by cast side members which relieve and protect the core from strains. The radiator is mounted on a cross member at the front of the frame Four coil springs are used. It rests on two of these and the others are underneath the cross member to cushion the rebound.

The Timken worm drive rear axles used in the Armleder trucks are full floating. No weight is carried on the live axle. The axle is of standard Timken-David-Brown construction. The rear brake rods in the Armleder two-ton truck are mounted parallel with the propeller shaft and radius rods They are also about the same length. The foot pedal is arranged so that it has an unusual amount of throw. All moving parts in the brakes and brake rod hangers are bushed. Both foot and emergency brakes are internal expanding upon the rear hub brake drums



Plan View of the Armleder Chassis, Showing the Specially Braced Frame to Give Stiffness

European Features in New Clydesdale

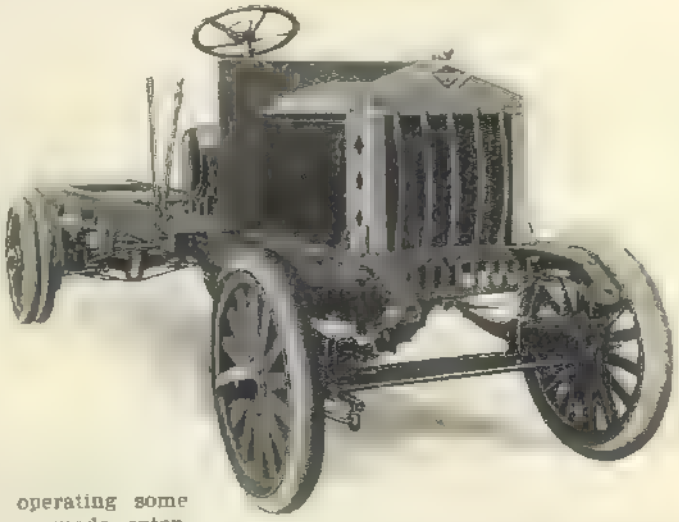
THE Clydesdale commercial chassis were designed at the beginning of the European war when the French and English Governments needed a large number of trucks for Army transport purposes, the design being worked out by the engineers of the Clyde Cars Co., New York City, in consultation with European engineers who were in America at that time endeavoring to purchase cars to suit the rigorous requirements of European conditions. It is a European-designed, American-built truck, embodying ideals of European engineers

A description of Clydesdale cars will bring out the following typical features:

The radiator is of the type of construction used by the London general omnibus. This English omnibus concern, operating some fourteen hundred omnibuses, made extensive experiments before they determined which type of radiator would best fulfill the hard usage to which the omnibuses in England are put, and they finally decided to use the type which is known as the L. G. O. radiator. It is of straight copper tubes without fins, the tubes being sweated into header plates and the header plates in turn securely bolted to the top and bottom of aluminum cast tanks. The advantages of the straight tube radiator are its simplicity of construction and great facility of making repair when repair is necessary. Should any of the tubes leak it is a very simple matter to cut the tube giving trouble and either cork it up or turn it over and close it so that the radiator still remains efficient. At the end of the run or when repair can be conveniently made, it is a simple matter to insert a new tube. These tubes being standard copper tubing, they can be readily obtained and repair can be made by anyone familiar with soldering The radiator core is protected by five bars to prevent mechanical injury to the core.

A very important feature of the Clydesdale equipment is the controller. This Krebs automatic controller is not only a governor that will prevent overspeeding, like other type of governors, but does considerably more. It enables the driver to maintain a constant speed of the truck without the necessity of keeping his foot on the accelerator. The governor throttle mechanism can be set at 10 m.p.h. and the truck will continue to go 10 m.p.h. up and down hills, irrespective of road conditions, without the driver having to keep constantly adjusting the accelerator with his foot. This does not prevent the driver from using the accelerator to spurt ahead at any time when he cares to. The other great advantage of this patented controller is the fact that it is always controlling the engine speed. Should the driver suddenly throw out his clutch the engine will not race as the controller will immediately close the throttle opening. This prevents overspeeding of the engine when shifting gears and thereby not only saves fuel but also prevents wear and tear on the engine caused by sudden racing of the engine.

Perhaps the design of the frame best brings out the European influence shown in the Clydesdale construction. It is of exceptionally deep centre section and much



Three-Quarter Front View of the Clydesdale Chassis

This truck is equipped with a Krebs automatic controller and a transmission of the four-speed, separate unit, gear-box type.

stronger than usual in American practice. By using a lighter weight metal and a deeper section, increased strength is produced without increase of weight and through the use of a deeper section the brackets are riveted with more rivets and, therefore, held more securely to the frame than is possible with a smaller frame section. The cross bracing is exceptionally substantial and again shows the influence of European design.

The transmission is a massive four-speed, separate unit gear box, the type recently adopted by the United States for American army transport chassis. It is located centrally in the chassis, thereby considerably reducing the length of the rear drive shaft and in consequence reducing the strains on the drive shaft universals.

The rear axle is of the worm drive type

In details of construction small things have been given careful consideration and thought. For instance, the starting crank is mounted on a swivel so that the whole crank can be turned around and the handle itself catches in a small spring latch. It is neatly put aside and out of the way in a firm position, yet ready for immediate use. The radiator is mounted on double compensating springs, a set of springs being above the frame and a set below the frame on both sides of the radiator, with a bolt running through and allowing the radiator to ride freely on these double compensating supports. The hood is supported at the front on a separate steel construction which does not touch the radiator, thus allowing the radiator to move freely. The side panels of the hood are held in place by plungers mounted on springs and can be readily removed by pulling the panel down against the action of the plungers and out of the seat arranged at the top to hold it securely.

Consideration has been given to the comfort of the driver such as the location of the foot pedals relative to the seat and steering wheel.

Four-cylinder, L-head engines with three bearing crankshaft are used in all models. A large cast aluminum fan mounted on ball bearings is regular equipment.

Clydesdale models are built in five sizes, giving a complete line of trucks ranging from five tons to the three-quarter ton delivery model

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Russel Motor Axle Co., Detroit, Mich., is erecting additions to its plant, one of which is 60 x 192 ft. To the rear of the assembling plant there is a further addition 120 x 120 ft. Upon the completion of these buildings the company will have additional floor space of 26,000 sq. ft. The gear plant, which was purchased from the Russel Wheel & Foundry Co., will remain where it is. By November the company will have a capacity of from 3000 to 4000 axles a month.

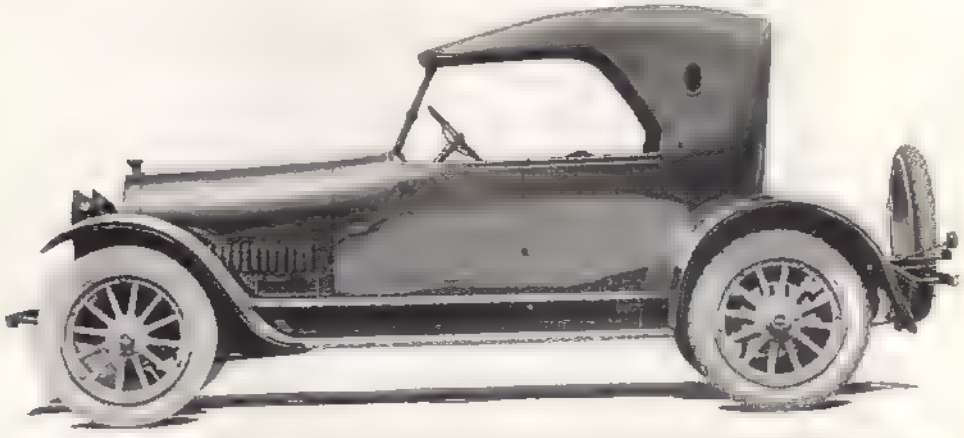
Nelson Bros. Co., Saginaw, Mich., is exhibiting a 2-ton truck, the first of the new Jumbo line to be manufactured by that concern. It is planned to manufacture about fifty of these trucks within the next two months. An addition will soon be made to the factory permitting the manufacture of nearly all the units. For the present time the truck is being assembled in the Nelson plant. It is expected that the price will be popular, although it has not been definitely fixed

Clydesdale Ambulance Presented to the Greek National Government of Salonica by Private Persons

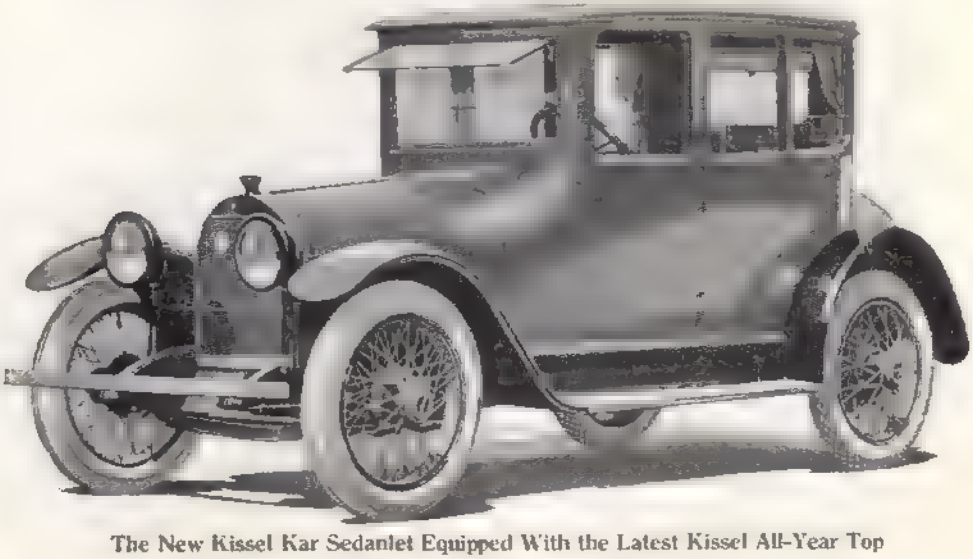
New Kissel Four-Passenger Sedanlet

MANY innovations in body designing and construction characterize the new four-passenger "Sedanlet" recently announced by the Kissel Motor Car Co., Hartford, Wis. The Sedanlet is built on both the Hundred Point Six and Double Six chassis, combining all the comfort of the sedan with the utility and economy of the roadster. It is a sport or club model in that it is a four-passenger car. Equipped with the latest Kissel all year top, which is entirely removable, a new feature is that all windows excepting the rear one can be raised or lowered at will. This exclusive feature makes the "Sedanlet" a closed car in stormy weather, a semi-open car by lowering the windows, or an open touring car by removing the all-year top. A new distinctive summer top in pantasote of Victoria style in the rear, with one French beveled glass "porthole" on either side and two in the rear, is an added feature.

Ample leg room and space has been provided,—16 in. in front and 15 in. in the rear. The front seats are 16 in. wide with a 10-in. aisle between. The rear seat measures 43½ in. wide and 19 in. deep. The doors on both sides are 24 in. wide. From the floor of the tonneau to the top of the all-year top meas-



New Kissel Four-Passenger Sedanlet Equipped With the New Semi-Victoria Summer Top
It is made in Pantasote and has one plate glass "porthole" on either side and two in the rear.



The New Kissel Kar Sedanlet Equipped With the Latest Kissel All-Year Top

ures 4 ft. 4 in. The frame and doors of the detachable top are of heavy white ash and elm, rigidly joined and covered with silvered sheet steel. The roof is three-ply panel ed white wood, under heavy laminated duck canvas. The windows are French plate glass and are so set into the top that leaks, draughts or rattles are eliminated.

Ventilation is obtained through the double windshield and all windows excepting the rear are adjustable at any height and drop down into the lower body their full length if desired. Deep upholstery, resilient cushion springs, a very pliable grade of leather and a tilt that fits the back, make the seats uncommonly comfortable.

The price of the Hundred Point Six "Sedanlet," with all year and new special summer top, of Victoria style in the rear, is $1885; with special summer top only, $1485 The Double Six with both tops is $2800 without all-year top, but including the new special summer Victoria style top, $2350 f.o.b. factory.

Monograms for the Automobile

Various styles and sizes of letters and monograms that can be transferred to the panel sides of an automobile, to a suit-case or a hand grip, are being offered by the Auto Monogram Supply Co., 185 Market St., Newark, N. J. The placing of initials on a car provides a means of identification.

When transferred to the automobile the initials are claimed to be unaffected by mud, soap or water and to retain their original lustre under all weather conditions. They can be applied in about fifteen minutes without soiling anything, and dry rapidly. No experience is necessary.

A complete outfit can be obtained for $2.50. It contains an assortment of 100 letters, one bottle of varnish cement, and camel's hair brush, four sets of borders to match the letters, one set of red or green crosses and one display board showing the styles of letters in color. Various other larger sets containing different assortments are offered. The price charged for applying six initials, three on each side of the car, is $1.50

Descriptive literature explaining various propositions and giving complete prices for all orders can be obtained upon request.

A Compact Camp Stove for the Automobile

This handy tin box shaped like a suit case contains a camp stove outfit consisting of a two-burner gasoline plate and a small gasoline tank with a capacity for several hours' burning. This equipment is convenient and easily operated. It occupies very little space in the auto and can be set up for operation in a few minutes. The Boyle Mfg Co., Los Angeles, Cal., is the maker

A Transit Body Built by the Lansing Body Company

This shows a type of jitney body made by the Lansing Body Company, Lansing, Mich., manufacturers of both regular and special types of commercial bodies The body here shown is specified as style No. 147 jitney body. Detailed description and prices can be obtained from the Lansing

New Nash Out With Three Bodies

THE Nash line of passenger cars for 1917-18 will include the Nash Six in four passenger roadster, five-passenger touring and five-passenger Sedan. The former Jeffery Model 671 seven-passenger touring car will be continued under the name Nash Model 671, as the seven-passenger car in the line. In addition to this there will be a complete line of Nash trucks including the famous Quad

The Nash Six, as it will be known to the retail trade, and which is manufactured by the Nash Motors Co., Kenosha, Wis., has a 121-in. wheelbase. The streamline body of the five-passenger touring car has a graceful double cowl and is finished in Nash blue, with a gold hair line running around the top. The wheels are cream-colored.

The power plant of the chassis, as indicated above, is a six-cylinder engine of Nash perfected valve-in-head type. While embodying the standard features, which have made the valve-in-head type engine renowned for its power, it includes at the same time many principles of design which make for simplicity, added efficiency and greater power.

The power of an engine is largely determined by its breathing capacity. If adequate filling of the cylinders with live gas can be obtained at high speeds and if the exhaust gases can be expelled without appreciable resistance, an engine is said to have a large breathing capacity

An engine of small cylinder dimensions but large breathing capacity will accordingly perform better and more economically than a large engine with a throttled breathing capacity.

The Nash Six has a large breathing capacity because:

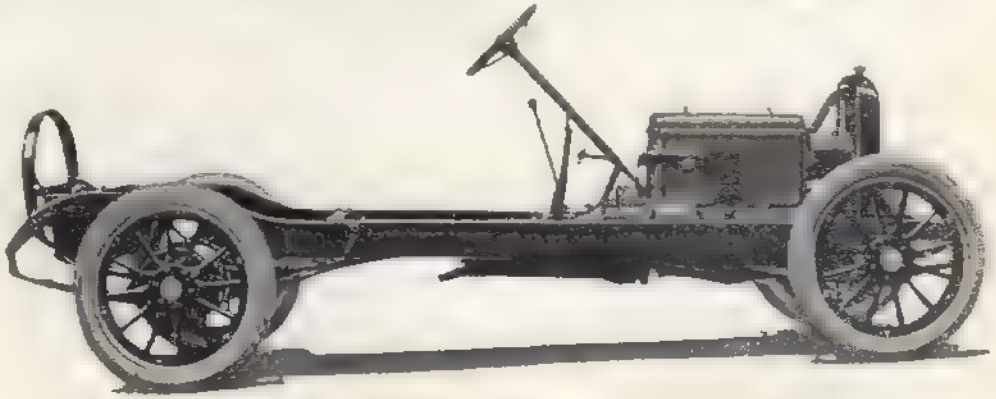
It is of the overhead type; its valve ports are large; its gas passages offer very slight resistance to the intake and exhaust gases.

Nash Four-Passenger Roadster

This streamline, clean-cut, double cowl body should prove very popular. The wheelbase is 121 in. The price of this model is $1,09[illegible]

Simplicity of design was the endeavor throughout the construction of this Nash engine. Many notable improvements have been achieved in this line. For instance, there are no auxiliary shafts used to drive either pump or generator, therefore, there are but two gears on the front of the engine. The water pump is driven by the camshaft and the fan is mounted on the extended generator shaft

The engine is cast in block with a separable head. This type of construction lends itself well to valve-in-head design, as no valve cages have to be used and therefore the valve seats can be adequately cooled.



Side View of the New Nash Six Chassis, the Engine of Which is Entirely Enclosed

All valve rockers and push rods are enclosed and lubricated by the splash and oil fumes of the crankcase, which pass over the valve mechanism and lubricate the cams

The front axle is straight between spring seats instead of being dropped. Thus the car is swung lower while maintaining the same road clearance. This lowers the center of gravity and adds a factor of safety. By eliminating the fork on the front axle, this axle is forged at one heat.

The Nash chassis is extremely light without loss of strength. Nash engineers have designed the frame of the car to fit the sill of the body. Because the side frame is built to conform to the shape of the body sill, it supports the body for its entire length, which prevents body squeaks. By widening the rear cross member of the frame, it serves both as a cross member and as a support for the gasoline tank and tire carriers.

Part of the elimination of weight is due to the use of the Hotchkiss drive. The rear axle is attached to the rear springs when Hotchkiss drive is used, thus eliminating the use of torque arms or radius rods or both

The outlet of the exhaust manifold is at the front end of the engine instead of at its rear end. This feature removes the exhaust pipe from its standard position in close proximity of the toe boards where the heat radiating from the same might cause discomfort to the driver.

Specifications of the Nash Six

Engine, six cylinder, in block, unit power plant; size, bore 3½ in., stroke 5 in. Pistons, length 3⅛ in., piston pins 15-16 in. diameter. Valves, overhead. Push-rods on right side. Camshaft, one piece drop forging, 1½ in diameter, gear driven. Main bearings, die cast babbitts, 3 in number; diameter and length front 2¼ in x 2⅜ in; center 2¾ in. x 2⅜ in., rear 2¼ in x 2¼ in. Crankshaft, selected forging steel 3¼ in diameter, .35 carbon, double heat-treated. Lubrication, gear pump driven by spiral gears from camshaft. Circulating splash system. Cooling system, by centrifugal pump. Carburetor, float feed type Stromberg-Warner Vacuum gasoline feed, carburetor heated by exhaust gas. Ignition, Delco. Starting, Nash-Delco, special design. Clutch, single plate dry disc, steel and asbestos friction surfaces. Transmission, in unit with engine; selective type; 3 speeds forward and one reverse

Brakes, service brakes external, contracting on rear axle; emergency brake, external contracting, drum mounted on extended transmission shaft. Control, steering left side, levers in center, horn button on top of steering post Steering gear, worm and wheel type; irreversible Front axle, drop-forged, special analysis I-beam, reversed Elliot type. Rear axle, semi-floating type. Differential readily accessible by removing the rear cover. Drive, Hotchkiss type. Springs, front and rear, semi-elliptic; front 40 in. x 2 in., 9 leaves; rear 56 in. x 2¼ in., 10 leaves; under-slung on rear axle.

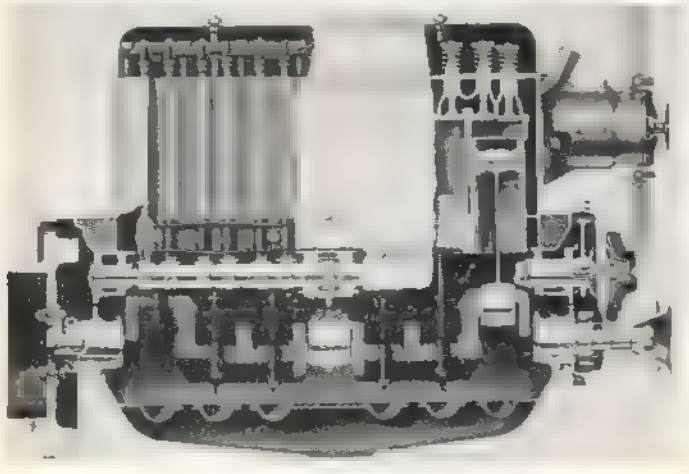
Frame, channel pressed steel, provided with 5 cross-bars. Width of frame over front axle 29½ in., width over rear axle 41 in. Wheels, rims and tires, front and rear wheels artillery type. Straight side, detachable type rims. Tires, 34 in x 4 in. Wheelbase, models 681 and 683, 121 in., model 684, 127 in

The Prices of the Nash:

Model 681, 5 passenger, wheelbase 121 in., $1295
Model 683, 4 passenger, wheelbase 121 in., $1295
Model 684, Touring Sedan, wheelbase 127 in., $1985

Anderson Motor Car Co., Rock Rill, S. C., has been allowed patent No. 1,233,957, allowing thirteen claims and covering its convertible sport body. The patent is for a body which converts a 2-passenger roadster into a 5-passenger car.

The White Motor Co., Cleveland, O., has recently adopted the Outlook windshield cleaner as standard equipment on its cars. This is made by the Outlook Co., Cleveland, and consists of a rubber strip on the weather side of the windshield and is held in position by a rod on the inside of the glass. To this rod is affixed a rubber roller which holds the rubber strip close to the outside of the glass and produces a squeegee effect and permits the cleaner to act easily and quickly. Snow, rain or water is effectually wiped off at one sweep by simply moving the cleaner from left to right or vice versa and clear vision straight ahead is possible all the time.



Part Cut-a-way of the Nash Engine

This view shows the camshaft and push-rods, located on the right side of the engine, and a section of a cylinder and piston.

Penn Drop-Bottom Body Attachment

THE Pennsylvania Steel Car Co. was organized in March of this year for the purpose of manufacturing the Penn drop bottom truck. This truck is manufactured for carrying all kinds of building material—stone, lime, sand, brick and all other bulk materials used by road builders and contractors.

It is manufactured in Bridesburg, Phila., and the output capacity is said to be from 35 to 50 trucks per month.

The truck is built upon a channel iron frame, which forms part of the body, making it a very strong and durable construction. The differential and jackshaft is set about 8 or 10 in. back of the transmission and this drives the rear wheels by both the shaft and chain driven types. The axles, one on either side of the body, are L-shaped steel forgings that work in a machined casting, fastened securely to the side of the body. The axle is supported by a heavy type of spring secured by a number of braces, fastened to the channel iron frame. This construction allows a perfectly clear space at the bottom of the body for two doors to drop, thus dumping the load in a desired spot; or by opening the doors part way, a load could be distributed along the road for road construction.

The construction of the truck in general is along lines of simplicity and durability. The body is made of different gage sheet steel, according to the capacity, from 1 to 7 tons.

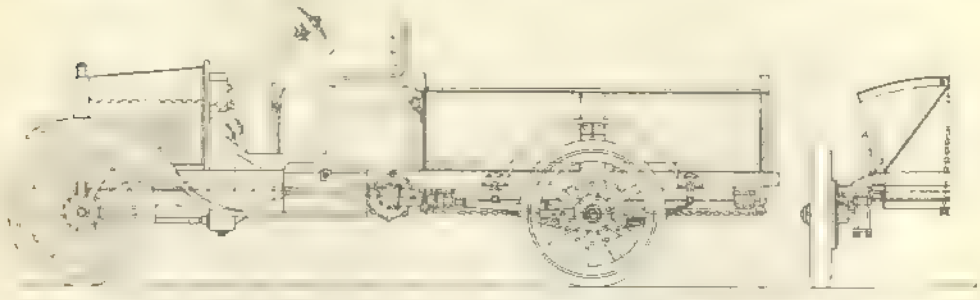
The mechanism of raising the doors is by chain and cogs with a hand lever and also by a mechanical power appliance connected on the propeller shaft.

Wheels are of heavy wood or steel type, as desired, with different sized tires according to carrying capacity.

A feature of the Penn truck is that the doors can be dropped quickly while the car is in motion, and also raised quickly while the car is still in motion. This is a special good quality in dumping places where the ground might allow the wheels to sink and the driver would find it difficult to release the truck.

The Penna. Steel Car Co. can attach their dumping body to any standard chassis of motor truck. They have under construction now a one-ton body mounted on a Ford standard chassis, which will carry 1 cu. yd. of material. This equipment is particularly desirable for excavating work in cities where dirt must be hauled a considerable distance.

The patents as owned by the Penna. Steel Car Co. will also allow the mounting of a special body for hauling heavy machinery, safes and drayage of any kind, as the platform could be set any desired height from the ground.



The Pennsylvania Steel Car Company's Special Dump Body Mounted on a Ford Chassis

These dump bodies, which are especially suited for hauling building material such as stone, lime, sand, etc., can be attached to any standard motor truck chassis.

The executive offices of this concern are held by John F. Carson, who is president of the Carson Realty Co., Phila., Pa.; Cecil H. Sherman, vice-president, who was, until recently, a member of the firm of Sherman & Mason, dye manufacturers of Phila.; while the manufacturing and sales end is in charge of William A. Kuser, a well-known automobile man, and who has spent a number of years in Detroit, Mich. Mr. Kuser was one of the organizers and, until recently, secretary of the Bigelow-Willey Motor Co., distributor of the Paige cars in Philadelphia.

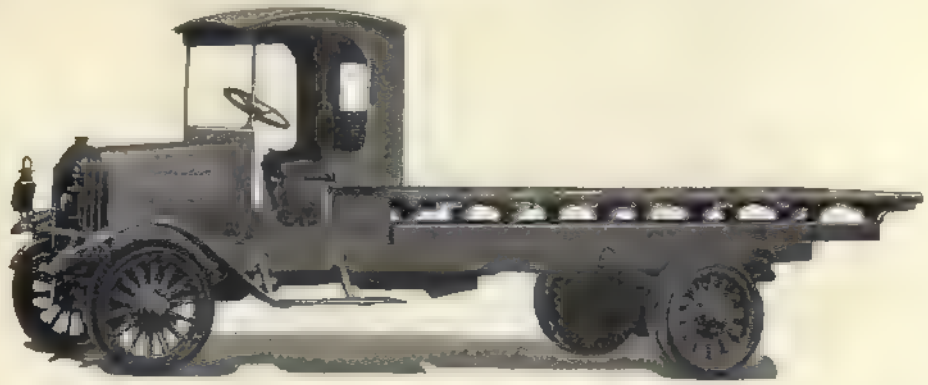
The executive offices of the concern are 501 Land Title Building, Philadelphia, Pa.

New Three and a Half Ton Sanford

WE are building what we confidently believe will ultimately prove to be one of the first-choice trucks of the country. We will build into our trucks the good, substantial service features that have with stood the test."

This is the way in which E. A. Kingsbury explains the objects and purposes of the rejuvenated Sanford Motor Truck Co., of Syracuse, N. Y. Mr. Kingsbury, together with E A. Dauer and J. E. Gramlich, all previously connected with the Chase Motor Truck Co, will be in active control of the management, sales and production of the concern.

The personnel of the present Sanford Truck Co. is: President, J. F. Durston; vice-president, C. Hamilton Sanford, and secretary and treasurer, F. F. Sanford.



Side View of the Sanford Three and a Half Ton Chassis, Fitted With a Platform Body

The line of trucks manufactured will embrace 1- and 2-ton internal gear drive and 2½-ton, 3½-ton and 5-ton worm drive models.

Balance from front to rear end, speed on high gear and great tractive effort on low gear are claimed features

Throughout the chassis of the 3½-ton model, high grade units are employed and the greatest care has been exercised to produce the proper scientific balance of power and strength between these various units. In this model has been embodied a normal operating speed of 13 m.p.h. on high gear and great tractive effort on low gear, due to the relation of engine speed, power transmission and rear axle reduction ratio

This design makes possible the utilization of the maximum power of the engine without imposing undue strain on either the transmission or rear axle bearings.

All parts are designed to withstand the maximum engine effort with the least degree of wear. Accessibility has been considered, giving a complete unit that can be readily inspected, oiled and tested.

The Power Plant

The engine is of the "L"-head type, with four cylinders, 4¼ x 6 in., cast in block; suspension is three-point. It develops 37½ h p at 1000 r.p.m., and is mounted so as to be readily accessible without removing from the frame

The crankcase is gray cast iron, giving it great strength and durability. It is divided horizontally in halves, the upper half containing the complete crankshaft bearing, the lower half serving as an oil pan.

The crankshaft is drop forged of high-grade steel, properly heat-treated. Bearings are accurately ground to size.

Cylinders are of special grade cast iron mixture, accurately machined and interchangeable. They are provided with a large water jacket so arranged that water is discharged from the pump directly beneath the valves. They are also provided with a specially designed cover which can be quickly removed, allowing free access to the water jacket space, for cleaning and inspection.

Pistons are cast iron, ground to size and provided with oil recesses. Piston rings are accurately fitted to the pistons and are ground on the circumference and sides to exact standard dimensions.

The connecting-rods are drop forged from carefully selected open-hearth steel. The upper end of the rod is bushed with phosphor bronze while the lower end is fitted with adjustable die cast or bronze shell babbitt-lined bearings.

The Sayers—A New Light Six

A NEW and very interesting automobile in the light six class is the Sayers Six, which is being placed on the market by The Sayers & Scovill Co., Cincinnati, Ohio.

The chassis combines high grade products in a standard conventionalized design. The body is remarkable for the grace of its lines and the high quality of finish, especially in regard to upholstering.

For ten years the organization behind the Sayers Six has produced motor chassis for ambulance and other specialized vehicles

The spiral bevel differential runs on ball bearings. Gear reduction is 4¾ to 1. Weight is carried on a pressed steel bridge type axle housing. Drive is taken from the axle by the Hotchkiss system and there are two universal joints in the propeller shaft. The front axle is a drop forged "I" beam, especially heat treated and the wheels are mounted on ball bearings. Front springs are semi-elliptic 38 in. long x 2 in wide and the rear springs semi-elliptic and underslung, 54½ in. long x 2 in. wide. They are made of special analysis steel, and equipped with a self-oiling device to prevent

This New Sayers Light Six Touring Car is Made in Cincinnati and Sells for $1295

It has a Continental, L head engine with removable heads, Borg & Beck, 3 plate, dry-disk clutch, Hotchkiss final drive and Delco starting, lighting and ignition

This familiarity with the motor trade and the acquaintance with the sources of supply for parts and materials has enabled the Sayers & Scovill Co. to produce what has the appearance of being a thoroughly sound and up-to-date automobile

The designer of the car is J. A. Campbell. E. E. Hess, one of the directors of the company and its general sales manager, is in charge of distribution; F. Suesz is production manager; W. A. Sayers, president and general manager and F. F. Scovill, vice-president.

The engine is a Continental high speed six-cylinder L-head type with removable heads and a bore 3½ in. and stroke of 4½ in The cylinders are cast in block and all valves are enclosed. The carburetor is of the modern, horizontal type, mounted directly on the cylinder casting. Included in the unit power plant are a Borg & Beck, 3-plate dry-disk clutch, and a selective sliding gear transmission.

The rear axle is a floating type with wheels mounted on Bower roller bearings squeaking. The artillery wheels of selected hickory are fitted with demountable rims for 32 x 4-in. tires. The tires are straight side with non-skid in the rear. The brakes are internal expanding and external contracting on the rear wheels.

The pressed steel frame designed for lightness and strength has a deep wide channel section 5 in. deep x 2½ in. wide by 5-32 in. thick, and is strongly braced by cross members. It is bottle necked at the front to permit of a short turning radius.

The gasoline tank is mounted under the rear of the body and the Stewart vacuum system feeds fuel to the carburetor.

The cooling system consists of a high racing type Fedders radiator through which water is circulated by a centrifugal pump and air by a ball bearing fan.

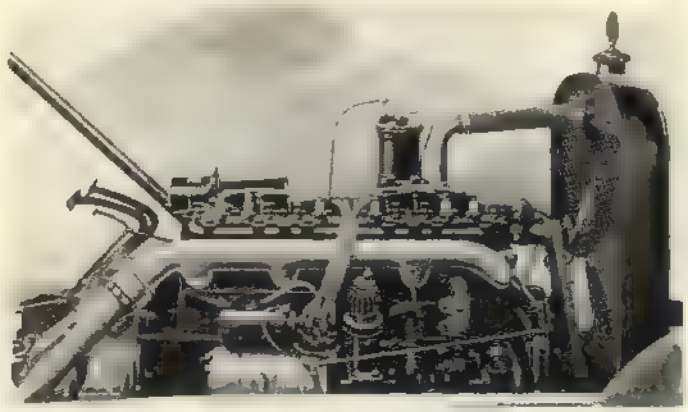
The two-unit Delco starting, lighting and ignition system is standard equipment on the Sayers Six with a Bendix drive attachment to the flywheel. A Willard 6-80 storage battery completes the system It is carried under the front seat.

The body offered is a five-passenger touring type with a long, graceful streamline effect. It has a center cowl and is strongly braced and amply roomy. There is plenty of room in the tonneau.

Instruments and switches are mounted within easy reach of the driver's hand in front. Genuine high grade fancy trimming leather covers the upholstery. It is put on in long French plaits. The chassis is finished in black and the body in a rich shade of ultramarine blue.

Equipment includes the two unit Delco starting and lighting system; Stewart vacuum gasoline feed; power tire pump; motometer; 60-mile speedometer, gear driven from the universal joint; sloping rain vision windshield; one man top with non-rattling bow holders, hood for top, demountable rims, with one extra; non-skid tires on rear wheels, foot accelerator with foot rest; two large headlights with dimmers; instrument light, combination rail light and license holder; trouble lamp, electric warning signal, Willard storage battery, robe rail, foot rail, tools, jack, tire repair kit, light and ignition switch locks.

The weight of the car is about 2600 lb.



The Exhaust Side of the Sayers Light Six

Showing the generator, timer, centrifugal pump and the Stewart-Warner vacuum supply tank

Bridge-Like Frame on Cole Eight

"Built like a bridge" is the expression used to describe the construction of the Cole Eight frame. It is supple, symmetrical and strong, being made from hydraulic pressed steel of high carbon constituency and 5-32 in. thick, giving the car a large carrying capacity and at the same time a resiliency that enables it to easily take up severe road shocks.

Its side members are 6 in. deep, with integral flanges 2½ in. wide on top and bottom, attaining their maximum depth where the greatest load is carried. The frame tapers toward the front to afford a short turning radius and widens at the rear to give a full and rigid body support.

The arrangement of the reinforcing cross-members reflects new ideas in bridge building. Placed at vital points, they serve not only to take up transverse stresses and to overcome distortions resulting when shocks are applied unevenly to the axles, but to distribute excessive strains throughout the frame area regardless of the particular point at which the shock is received. It is the same principle of coordination that makes it possible for an entire bridge to share in maintaining the burden applied to any part of it. Thus, in the frame of the Cole Eight, made by the Cole Motor Car Co., Indianapolis, Ind., every unit participates in bearing the burden placed upon it at any given point.

The Moon Motor Car Co., St. Louis, Mo., is to bring out a light six to sell for $1000. It is being planned to manufacture 5000 a year and to this end the company has taken over an entire city block adjoining its present factory, upon which will be erected manufacturing buildings.

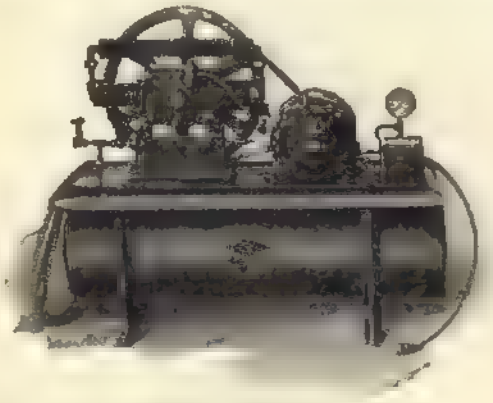
The Bridge-Like Frame of the Cole Eight

TWO-STAGE AIR COMPRESSORS

Best of the Good Compressors

ONE air compressor stands out boldly from the varying mass manufactured, because refined and improved in 14 important details.

It is no longer said that "An air compressor is an air compressor," because the United States **two-stage** machine has long since been on the market sufficiently long to prove its superiority beyond question. To become familiar with its design and operating principle is to see and acknowledge its absolute superiority.



U. S. De Luxe

Every garageman can get the benefit of the advantages incorporated in the United States **two-stage** compressor, because the line includes machines in sizes and outfits to meet every need.

Write for descriptive literature—also information regarding the U. S. **single-stage** compressors.

CLIP AND MAIL FOR CATALOG
The United States Air Compressor Co.
6538 Carnegie Ave.
Cleveland, O.

Gentlemen
Please send
your catalog as
advertised in Automobile Trade Journal

Name
Address
City

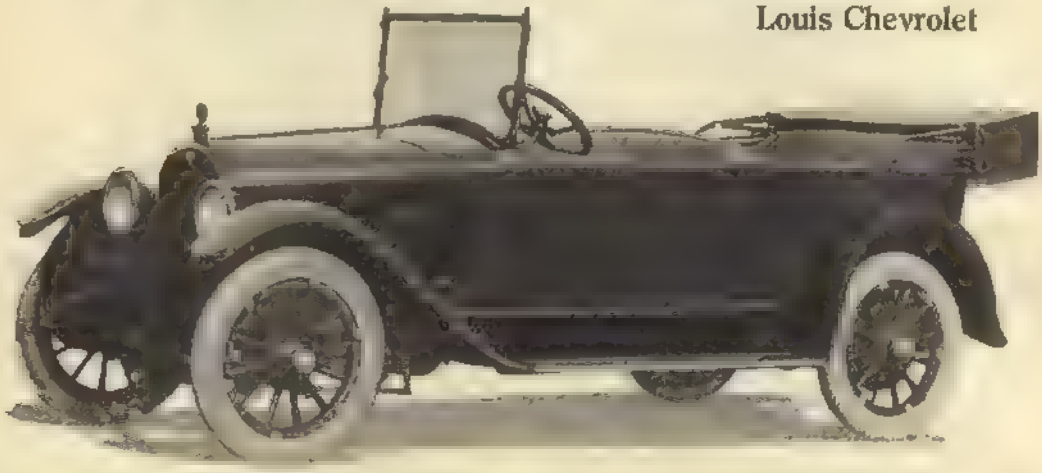
The United States Air Compressor Co.
6538 Carnegie Ave., Cleveland, O.

TWO-STAGE AIR COMPRESSORS

I Proudly Put My O. K. on This New, Balanced

AMERICAN SIX

Louis Chevrolet



This new American Six, possesses a thing few cars have—a *Balanced* Chassis.

It is not over-weighted on the rear nor under-weighted on the front. Almost to a pound, each wheel carries an equal share of the load.

By a scientific rather than a hap-hazard distributon of weight we get balance that is remarkable—even to women.

By reducing weight in the rear we were able to set the motor a trifle back farther on the frame, which has an amazing effect on the car's roadability—(Ability to hold the road.) You can take the American Six around corners at any sensible speed without any skidding or over-toppling tendency.

Some high-priced cars have more power; a few are larger, but none has better balance and safety on the road.

I invite the attention of my hundreds of dealer friends to this point. It is what I term a "sales maker". In every demonstration to prospective buyers it amounts to a sensation.

Production is well under way in our fine, new factory in Plainfield, N. J.—25 miles from New York City. Deliveries of American Sixes can be made now in reasonable quantities.

Letters of inquiry addressed to me on this proposition will have attention. I shall be glad to outline our offer to dealers: one of the fairest and most liberal ever presented.

I proudly put my O. K. on this new car.

Louis Chevrolet

WHEELBASE 122 INCHES — WEIGHT 2750 POUNDS
SIX CYLINDER — LENGTH OF REAR SPRING 56 INCHES
HORSE POWER 45
PRICE THIRTEEN HUNDRED SEVENTY-FIVE DOLLARS AT FACTORY

AMERICAN MOTORS CORPORATION
LOUIS CHEVROLET, Vice Pres. & Chief Engineer
PLAINFIELD, N. J. 25 MILES FROM NEW YORK

DELIVERY CARS

a Performance Basis

DEALERS

We still have several good territories open for the right men. Write today for details of our dealer proposition.

MARTIN TRUCK & BODY CORPORATION
YORK, PENNA.

Specifications of Atlas Chassis. Model 18

Maximum Capacity, 1500 lbs.

Motor: Four-cylinder 3¼ x 5 cast en-bloc "L" type detachable head 3 point suspension. Cooling Thermo-Syphon Lubrication splash [illegible] system plunger pump. Valves [illegible]

Horse Power 30 H P at 1400 R P M

Ignition Batt[illegible] Distributor

Carburetor [illegible] hammer, dash adjustment. Hot air [illegible]

Radiator: Copper water tube, 3" core Ample capacity for cooling motor

Transmission Selective three speed forward and reverse special heavy-duty truck type. Full Roller Bearing. Extra large face gears 1¾" short shafts, [illegible] a liberal hard service

Clutch Cone Plate Atlas special Borg & Beck integral with transmission Bearings oiled through hollow shaft from transmission

Drive: Hotchkiss Drive. Enclosed type dust proof universal joints extra heavy.

Control: Left hand drive, center gear shift lever, central spark and throttle on steering wheel bevel gears at bottom. Accelerator pedal attached to power plant

Steering gear Double screw type Lavine Heavy-Duty Adjustment for wear automatic, 17" wheel Double throttle

Frame: Pressed steel, channel section 4 x 2 x 3-16" 3" at rear

Front Axle [illegible] section, 6" knuckle, adjustable [illegible] bearings ball

Rear Axle [illegible] Semi-floating [illegible] housing, inspection plate at rear Brown-Lipe [illegible] Timken Double Roller Bearings in rear wheels [illegible] of differential Gurney Thrust bearings at left and front

Gear Ratio 4½ 1

Brakes, Brakes external contracting, 12" dia 2" face 3-16 weight Internal expanding 12" dia 2" face [illegible]

Springs [illegible] front 2 x ¼ x 32 rear 2 x ¼ x 42 semi-elliptic [illegible] Spring leaves of [illegible] Hanger bolts [illegible] Hangers [illegible]

Wheels Wood Artillery type [illegible] with heavy 1½" spokes

Rims Clincher, quick demountable type furnished with spare rim and wrench.

Tires 31 x 4 Standard makes. Non-skid rear

Tire Holder: Tire Holder bolted to running board with lock

Wheel base 136" regular. 116" special

Gasoline tank [illegible] 10 gallons built on chassis

Equipment [illegible] Electric Generator Wheels, SIMMS Magneto and Lighting Battery. Electric Head and Tail Lights. Ignition, lighting and dimming switch plate, with ammeter

Horn. Standard make Hand operating horn

Windshield Heavy double ventilating plate glass shield with nut stay braces

Bumper Special type bumper

Fenders Complete set of four fenders crown pattern rear fender extra long

Running Boards Running boards covered with Battleship Linoleum and edges bound

Body Any [illegible] of the three [illegible] post panel, fore-door, Vestibule and Semi-Vestibule

Starter Gasoline [illegible] Motor equipped [illegible]

Special [illegible] subject to change without notice

Price Regular 136" Wheelbase, Chassis $885—
Special 116" Wheelbase, Chassis $915
Starter $25 extra

Atlas Four Post Delivery
Body No. 972—$970 F. O. B. York
Starter $25 extra

Atlas Cab Seat Delivery
Body No. 926—$970 F. O. B. York
Starter $25 extra

Atlas Furniture Truck
Body No. 938 $1049 F. O. B. York
Starter $25 extra

BODY MODELS

With BETHLEHEM SPARK PLUGS

De Palma *smashes three world's records!*

SMASHING his way to *three* new world's records on the Sheepshead Bay course, August 18th, Ralph De Palma, in his special car, equippedwith a Packard Twin Six aviation motor, not only proved himself King of Speed Kings—but proved the indisputable supremacy of BETHLEHEM Spark Plugs. No motor makes a severer test of its spark plugs than the aviation motor. Yet for three races, aggregating 100 miles in all, at a 2-mile-a-minute speed, Bethlehem Spark Plugs, in spite of the higher compression and terrific temperatures of the aviation motor, kept every piston on the jump with never a misfire nor sign of plug trouble. No more searching test could be imagined—and no stronger proof given of the superiority of Bethlehem Spark Plugs for any and every type of service.

THE SILVEX COMPANY
E. H. SCHWAB, *President*
Bethlehem Products Bethlehem, Pa.

You'll enjoy handling these tires

You men in the tire business are something like the dentist: people come to you when they have to, not because they like to come.

The biggest pleasure you get out of life is when a man shows you one of your tires that served him so well and long that he feels like "pensioning" it off.

"That tire certainly had the stuff; I want another like it," is what they tell you.

The number of that kind of customers you have also determines the amount of goodwill and permanent business friendship you have to your credit.

Marathon Hand-Made Tires have built into them the stuff of goodwill. Users become enthusiastic about their long wear and real service.

Hand-work—every inch—is the secret. They cost more, but they're worth it. Our dealers tell us it is a real pleasure to handle them.

Write us about our new guarantee plan—not the old mileage idea. It's a selling argument that will bring you many new friends.

The Marathon Tire & Rubber Co.

Cuyahoga Falls, Ohio

Canadian Factory: St. Catharines, Ontario

The Biltwel Line

Velie

"The Name Insures the Quality"

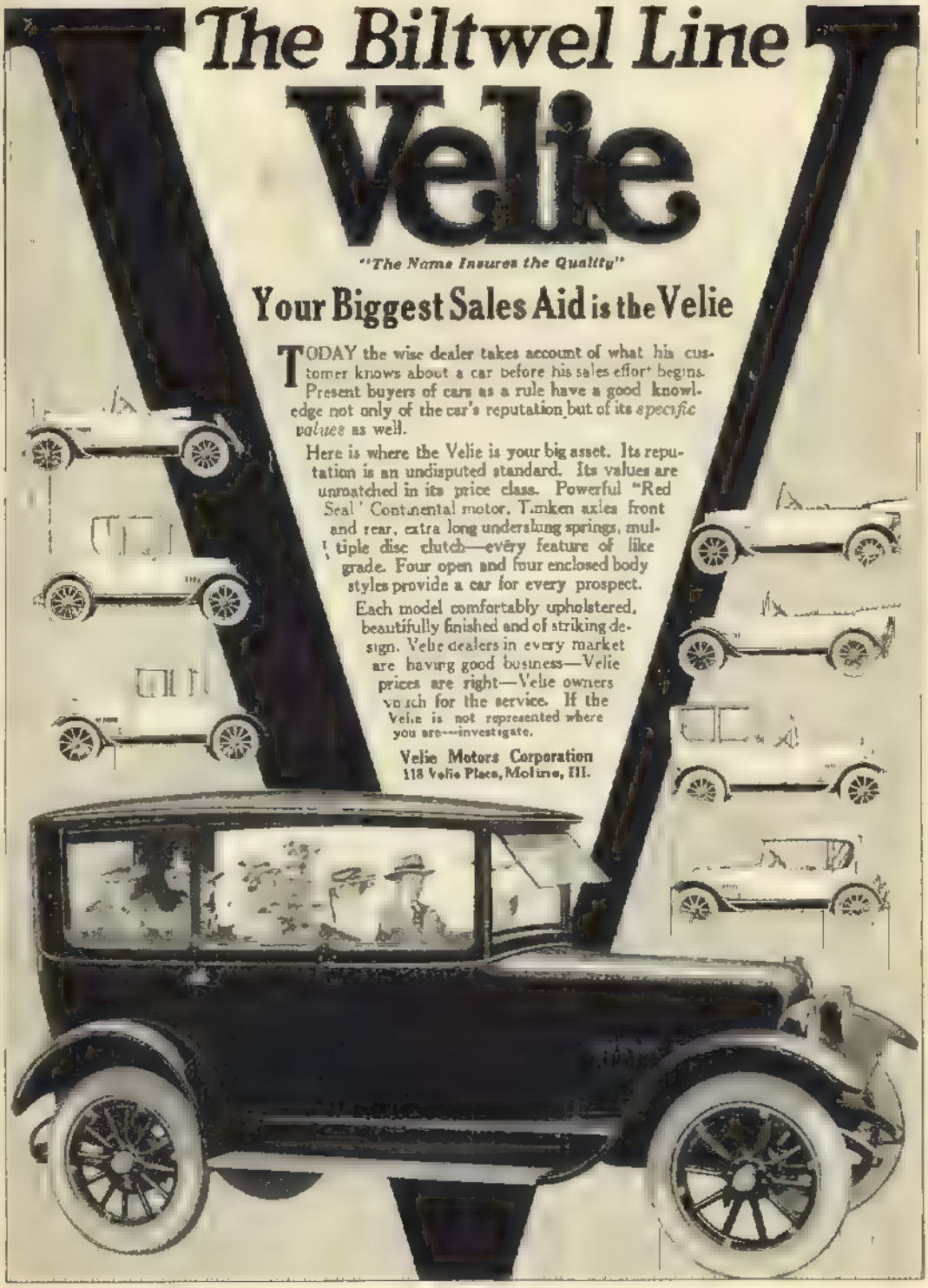
Your Biggest Sales Aid is the Velie

TODAY the wise dealer takes account of what his customer knows about a car before his sales effort begins. Present buyers of cars as a rule have a good knowledge not only of the car's reputation but of its *specific values* as well.

Here is where the Velie is your big asset. Its reputation is an undisputed standard. Its values are unmatched in its price class. Powerful "Red Seal" Continental motor. Timken axles front and rear, extra long underslung springs, multiple disc clutch—every feature of like grade. Four open and four enclosed body styles provide a car for every prospect.

Each model comfortably upholstered, beautifully finished and of striking design. Velie dealers in every market are having good business—Velie prices are right—Velie owners vouch for the service. If the Velie is not represented where you are—investigate.

Velie Motors Corporation
118 Velie Place, Moline, Ill.



AND NOW—*real* windows

for flexible curtains! Windows that solve the "top" problem—give open cars genuine style and distinction—and bring quantities of new business to dealer, top-maker and trimmer!

Windows of bevel plate glass and nickel, handsome as a mirror! Ingeniously cushioned in wood — *never* break, *never* rattle, *never* pull loose!

Work perfectly with folding tops and detachable curtains. Shut out storm, dust and "vacuum"—assure light, outlook and safe driving.

No more crinkled, stained and punched-out celluloid to mark the open car top as a "get-by"—no more tinkered jobs of curtain glazing! Here's a curtain window that "dresses up" the finest automobile. And wide choice of shapes enables every owner to make his car *individual*.

Tested! Johnston (formerly known as Hartford) Automobile Curtain Windows have been in general use in certain cities for three seasons—with complete success. Experience proves that they speed up new car sales—add hundreds of dollars to the looks of any used car—crowd the local shops with top work! And already, several leading manufacturers have made them standard equipment.

They're simple—easily installed—involve no "service." *And every open car is an immediate prospect for them!* Fully protected by patents. Look for our trademark on every rim.

Write any jobber of automobile trimmings, accessories or hardware for interesting particulars—*today!* And ask us for booklet "A," telling how Johnston Windows have doubled profits for dealers and trim shops in cities where sixty thousand are in use. Address Wm. R. Johnston Mfg. Co., 359-61 East Ohio Street, Chicago.

JOHNSTON
PATENTED

BOURNE

The Aladdin of Motor Power Transmissions

ALADDIN with his wonderful lamp—possessed of supreme magic—would be amazed if he could see the wonderful magnetic transmission, with its fluid-like pull and almost magical operation.

It is the eliminator of sledge-hammer blows caused by starting, stopping and stalling in ordinary trucks—saver of gasoline and oil—reducer of wear and tear on motor chassis and tires.

Fleets of Bourne Magnetic Trucks—used by the largest corporations of their kind in the world—are performing perfect service through the aid of this Aladdin of motor power transmission.

Altho magical in its results, there's nothing mysterious about the magnetic transmission.

Its simplicity—both in design and operation—is the foundation of its wonderful efficiency.

The observation of an apple falling from a tree led to the discovery of the great law of gravitation.

The principle of magnetic transmission was discovered by the observation of an ordinary magnet retaining of a shaft and drawing a piece of steel around with it.

In short, this is the basic principle of the magnetic transmission—as used exclusively in Bourne Trucks—except that the magnetic field is the most powerful known to man.

The magnetic transmission, according to Walter Lee, writing in *The Illustrated World*, and republished in *The Literary Digest*, has so many good points—chief among them the absence of friction and of the nerve-racking as the gears are changed—that it undoubtedly will supersede the old mechanical system altogether.

There is no racking of the motor when the truck is called upon for a quick get-away in traffic, no jars on steep up-hill grades, no jerks when stopping or starting.

The motor power is conveyed to the rear axle in a [illegible] manner, developing at the will of the driver maximum power with the heaviest load, capacity and the most strenuous road conditions.

A multiplicity of speeds means greater mileage—increased number of trips and ton miles—*every day*.

The BOURNE first to adopt the magnetic principle of transmission, is built on a bedrock of efficiency and has proven itself.

"The Most Advanced Truck in America"

Finding purchasers for Bourne Trucks is no longer a Bourne problem.

Long ago they began "selling themselves" and today it is a question of increasing production plans in order to meet the increasing demand.

Bourne Trucks have proved beyond question of doubt that they so far outstrip competition that big buyers of heavy trucks—men who judge from official records of performance alone—openly expressed their unqualified approval of Bourne efficiency.

WRITE FOR LITERATURE

Bourne Magnetic Truck Company

Sedgley Avenue at N. 17th Street
PHILADELPHIA, PA.

Two-Ton
$3300

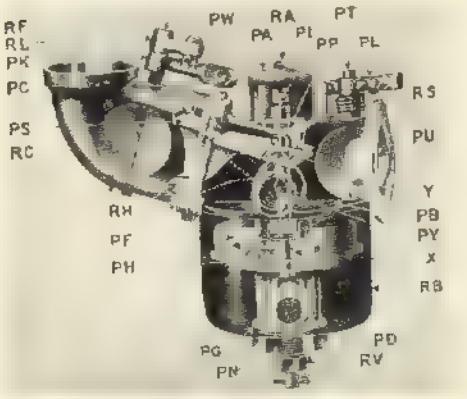
3½-Ton
$4000

Interesting Views of the Chassis and the Five-Passenger Touring Car and Roadster Models of the New Overhead-Valve Stephens Six

The New Dave Buick Carburetor

In this carburetor the fuel enters the bowl RB through the usual type of valve PV, controlled by a float PF, which maintains a constant level of fuel in the bowl. The fuel passes from the bowl through the screen shown in the illustration into a cylinder in the center of the bowl. In this cylinder, free to move up and down, is a hollow piston PP, having a hook-shaped head, that hangs on the end of the shutter PS. This shutter turns on a shaft RH and when occupying the position shown in the illustration, the passage through the carburetor is wide open. When in the position shown by the dotted lines, the passage is closed except for an opening in the end of the shutter and in the head of the piston. At the slowest engine speed, as when running idle, the shutter is in the latter position.

The fuel is then drawn up from the hollow inside of the piston through the jet Y, and is mixed with the air that is passing this jet. The opening of the jet is controlled by a screw, the head of which is indicated at PI. As the engine speed is increased by opening the throttle PU, the shutter is raised by the increased speed of



The Dave Buick Carburetor, Showing the Construction Features in Phantom

the incoming air, and this raises the piston. The piston has, on its side nearest the throttle, a flattened face X, and as the piston is raised a small opening is made between this flattened face and the cylinder in which the piston travels, through which additional fuel is drawn out. This flattening of the piston increases toward the bottom so that as the piston is lifted by an increasing engine speed, larger fuel opening is provided

The operation of the instrument is automatic—there is no connection between the throttle and the shutter and piston, the latter parts being operated by the current of air drawn into the cylinders.

The graduation of the flattened face of the piston is pre-determined and does not require adjustment. The only adjustment required is of the idle jet by the idle screw PI

The Dave Buick carburetor is manufactured by the Jackson Carburetor Co., Jackson, Mich., in styles to fit all cars, from the Ford to the big multi-cylinder types.

Para Offers Several Products

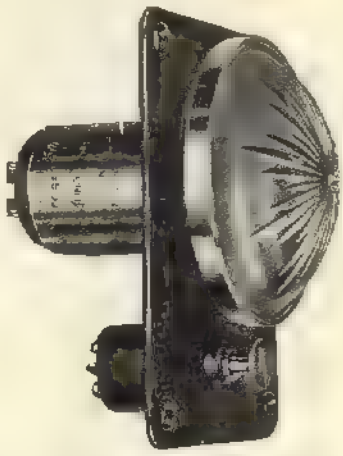
The Para Rubber Products Co., 27 William Street, New York City, is offering a line of useful products for the automobilist. Among them are Vulcanizit, Toptrim, Kutfiller and Tiretrim.

Vulcanizit is for mending inner tubes. It forms a tough elastic rubber weld over cuts, tears and holes. It requires no heat or patches. A 3-oz. tube sells for $1.

For dressing up mohair auto tops and cushions Toptrim is offered. It is said not to crack or to rub off when applied to cushions. It also makes fabric tops waterproof. A ½-pt. can costs $1.

The Kutfiller product is for automobile shoes and can be used to cement down a torn flap. Like Vulcanizit this filler liquid is used in filling cuts, tears and sand blisters. If used in time blow-outs can be avoided. A price of $1 is charged for a 3-oz. tube.

When Tiretrim is applied to the tires it enhances their appearance, as well as preserving and protecting them. It is water and grease proof and is made in two colors, cream and tire gray. A 1-pt. can is sold for $1.



A Tonneau and Step Light

This new Cuno product gives sufficient illumination to the tonneau and the step on the running board. It is also suitable for use as a dome or corner light for sedans and limousines. It is furnished with a switch and has a frosted, hand-cut dome glass. Brass parts are polished and nickel plated and the 3⅜x4-in. front plate is black enameled. The Cuno Engineering Corp., Meriden, Conn., offers this light for $3, without the bulb.

The Stevens Two-Piece Piston Ring

The Stevens Piston Ring Co., Freeport N Y, is offering a two-piece piston ring made of high grade gray iron. It is easily fitted on account of its elasticity. The sizes made run from 2⅝ in. diam. to 7½ in. diam. and the prices are from $1 10 to $2 50 respectively. An increased price is charged for rings over ⅜ in. width

Ideal Hood Fastener

The Ideal Brass Works, Indianapolis, Ind., has placed on the market a hood fastener made entirely of sheet metal.

A feature of this hood fastener is a rubber bumper attached to the lower end of each fastener, which keeps the side panel of the hood from rattling. The fastener is furnished in either black enamel or full nickel plated finish.

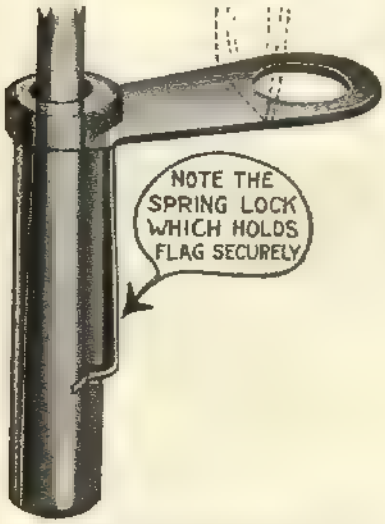
The list price of the black enameled type with the bumper, per set of four, is 80 cents, without bumper, 60 cents

An Attractive Radiator Ornament

"Ready" is the name of a new radiator cap statuette ornament being offered by the Rehberger Mfg. Co., 548 Webster Ave., Chicago, Ill It is cast of art metal and is highly finished, making an attractive and timely ornament. It height is 7½ in. and it is furnished with a silk flag and the necessary screw, nut and washer for attaching. In a statuary bronze finish the price is $24 per doz : in a silver oxidized, brass or nickel finish, the price is $26 per doz.

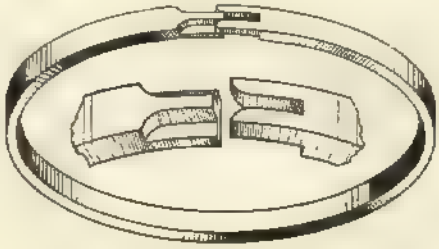
A Self-Lubricating Spring

The Edward F. Lyon Co., 1283-85 Woodward Avenue, Detroit, Mich., Is manufacturing under the Stanley patent a self-lubricating spring. The spring is fitted with an oiling duct at the end of each leaf leading to a concavity built in the leaf that holds an oil mat. This mat retains enough oil to lubricate the friction surfaces of the spring for 3000 miles.



Climax Flag and Pennant Holder

This holder will fit the lamp brackets, the cross-rod between the lamps, the radiator studs or windshield of any car. A spring in the holder fastens the flag automatically This holder can also be used on motorcycles, boats, bicycles, carriages, etc. It is made by the Climax Shock Absorber Co., Benton Harbor, Mich



The M-P One-Piece Piston Ring

The M-P piston ring is a close grain gray iron casting, all lock joints being reduced to a minimum to prevent carbon deposits and consequent sticking. It is claimed to give more power on less gasoline and oil and to prevent excessive carbon deposit, gummed valves from surplus oil choked spark plugs, excessive backfiring, premature explosion and wear on the cylinders. The list prices of the M-P rings are: For 3⅞-in. diam. and under, $1 each; over 4-in. diam. to 5-in diam., $1.25 each. The Metal Products Co., 3205 S. Broadway, St. Louis, Mo., is the maker

DODGE BROTHERS
MOTOR CAR

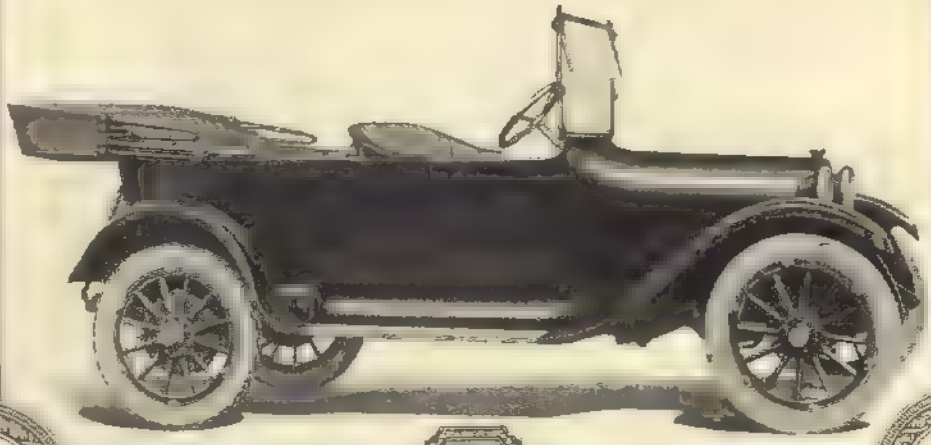
The way in which the average buyer approaches the dealer is impressive.

His confidence in the goodness of the car seems implicit—the transaction is generally merely a discussion of minor details.

The gasoline consumption is unusually low
The tire mileage is unusually high

Touring Car or Roadster, $835 In Canada, $1185
Sedan or Coupe, $1265 In Canada, $1800
All prices f. o. b. Detroit

DODGE BROTHERS, DETROIT



Selling "Satisfaction"

Dorris dealers have just two commodities to market — a dependable car, and the maximum of satisfaction that results from the sale.

We can cite you proven instances of Dorris passenger cars that have held the road for ten or more years — still in commission — still fit for further years of willing work. A car with such a record is an easy car to sell.

DORRIS

"Built up to a Standard, Not down to a Price."

Write us *today* for particulars of our reasonable proposition to live dealers. We want you in our camp, and we'll make it worth your while.

1918 PRICES

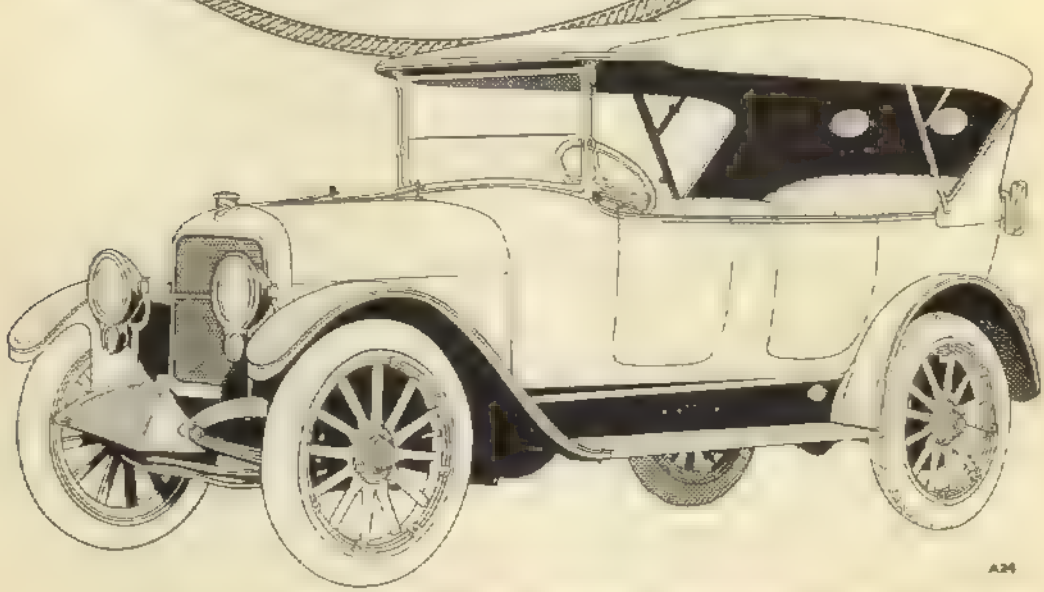
Seven-Passenger Touring Car	$2785
Four-Passenger Four-Door Tourist	2785
Five-Passenger Sedan	3350
Seven-Passenger Limousine	4150

All of the above on the improved Dorris I-C six-cylinder chassis

Two-Ton Worm-Drive Truck Chassis	$2285

Prices f.o.b. St. Louis

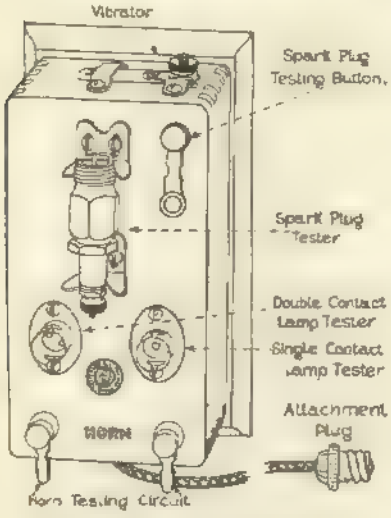
DORRIS MOTOR CAR CO.
Laclede and Sarah :: St. Louis,
Manufacturers



A24

Combination Tester is Useful

The Jefferson combination tester is an outfit that will test all automobile lamps of any candlepower or voltage, spark plugs of all sizes, electric horns and signals, and any



The Jefferson Tester, Showing the Combination Features

electric devices of low voltage. The tester is designed for connection with the lighting circuit of the building and is furnished in forms for either direct or alternating current and for the common voltages and frequencies. Where lighting current is not available a tester is supplied suitable for use with a 6-volt storage battery or four dry cells

The illustration shows the main features of the No. 17 model. This tester is furnished with 7 ft. of portable cord and an attachment plug. In ordering it should be specified whether an alternating current or battery connection is desired. The Jefferson Electric Mfg. Co., 426-30 S. Green Street, Chicago, Ill, is the maker. Model No. 17 sells for $8.

Dohner High-Compression Coupling

The Dohner coupling consists of a main body, a tapered thimble and a tapered nut. In use the end of the tubing is slipped through the nut and thimble into the body of

A Section Through a Dohner Coupling Showing Assembly Arrangement

the coupling up to the shoulder. It is fastened in place by simply tightening the nut. In tightening the nut the rings on the tapered thimble are transferred from the outside of the thimble to the inside and embedded in the tubing, producing a strong joint.

Dohner high compression couplings eliminate soldering, flanging, tedious thread cutting and dangerous leaks. They are adapted to aeroplanes on account of their lightness in weight. The coupling is tested to 4200 lb. per sq. in. It is made for tubes of different diameters by the Ohio Metal Products Co., Detroit, Mich.

A Service Car Equipped With Egan Patented Wrecking Device

A device designed to handle wrecked automobiles and convey them to the place where permanent repairs can be made is being marketed by the Egan Wrecking Truck Co., First National Bank Bldg., Chicago, Ill. It can be attached to any service automobile and one man is said to be able to bring a wrecked car into the shop in a short time. When attached to the service car the device does not interfere with the use of the car for other purposes. When not in use it can be used as a hoisting apparatus in the shop.

It consists of a hoisting attachment, a set of auxiliary axles with wheels and an automatic draw-bar and steering device that makes towing easy. The wrecked car is towed three feet behind the service car and collisions, slacking and tow-rope breaking is avoided. When stored the device entire occupies a space 76 x 60 in. Above is shown the apparatus on a wrecking car of the Egan Co.

FULTON
MOTOR TRUCKS

Dealers—Here is a dealership offering fast sales, substantial profit, national advertising help and local advertising allowance.

TO THE public Fulton Trucks offer the lowest price for a ***quality*** truck of equal size and capacity, and ***low operating cost***—reports from users say 14 to 17 miles to the gallon, with full rated load.

On the opposite page is reproduced one of the Fulton ads appearing in the national magazines. Every day we send inquiries to our dealers resulting from this advertising.

Our factory sales force co-operates with our dealers whenever desired.

Our advertising department provides copy and illustrations for local newspaper effort, designs for painted signs, posters for billboard display, and ***we share the expense of such advertising.***

Shoulder to shoulder with our dealers, we have put Fulton Trucks all over the map—every week sees shipments leave the port of New York for the far corners of the earth.

Lowest price, low operating cost, quality unquestioned.

These are the tools we offer with which to carve a future fortune out of Fulton dealerships.

Above everything else we offer you an organization that can ***deliver*** your requirements promptly.

Our shipping facilities are unequalled because of the great number of freight cars available on Long Island, where outgoing is nowhere near equal to the incoming traffic. Our western dealers find through freight rates low (often lower than from central points), and very little delay on shipments moving westward from New York.

To New England, New York, New Jersey, Pennsylvania Dealers, we say:

The Fulton factory is at your very door. It is but a few hours removed from where you sit. You should come here and meet the executives, secure your territory and make it a practice to drive your trucks away. We offer the closest co-operation—guaranteed delivery on every contract we accept.

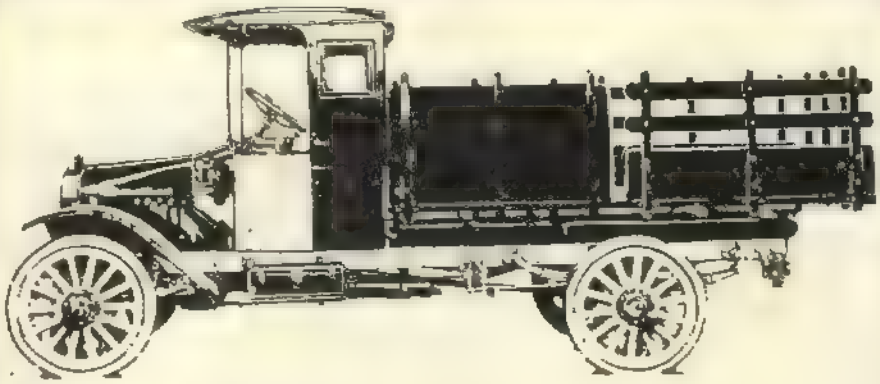
Now is the time! Fulton dealerships are being more eagerly sought than ever before. June and July established new high records. Our territory maps are rapidly drawing together.

You are invited to investigate Fulton Trucks, then visit the factory, and if you become a Fulton dealer, the expense of your visit will be refunded.

Fulton Motor Truck Company
Farmingdale–Long Island–New York

Distributors in—Norfolk, Louisville, Indianapolis, Cleveland, Chicago, Milwaukee, Omaha, Kansas City, Dallas, El Paso, Spokane, Montreal, and Quebec.

BETHLEHEM MOTOR TRUCKS



COLD PRESSED ALLOY STEEL

is what goes into all Bethlehem Truck frames it is what makes them always stronger than the load, no matter what the road strain may be. The Bethlehem Frame is a ***selling feature*** as is each part of the ***Bethlehem Truck.*** The motor—the transmission—the governor -the internal gear axles the steering gear -the bodies AND the ***prices.***

$1245	$1285	$1775	$1840
1½ Ton Chassis	1½ Ton Complete with body and cab	2½ Ton Chassis	2½ Ton Complete with body and cab

F. O. B. ALLENTOWN

Bethlehem Dealer Co-operation is as close as we can make it. A continuous dominating advertising campaign in the most productive national magazines direct campaigns to dealers' prospective clients carefully worked out selling plans—selling literature—posters, etc. In a word, the closest co-operation a big organization can give to its representatives.

Write right now for details of your territory

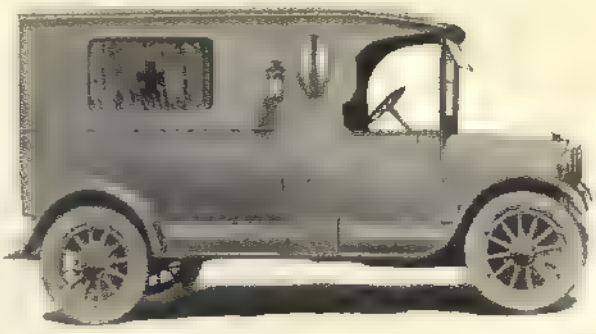
BETHLEHEM MOTORS CORP'N
ALLENTOWN, PA.
New York Showroom: Broadway at 60th Street, Circle Building

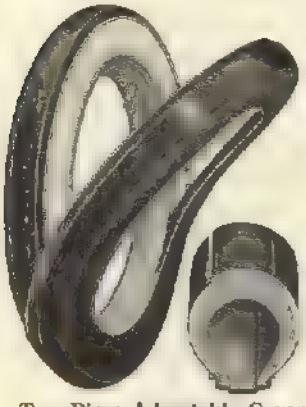
COVERT
TRANSMISSION
means easy Control
Ease of transmission control is one of the external evidences of mechanical correctness *within*.
When you consider the grinding clash which takes place when those gears enmesh, you begin to appreciate what easy transmission control involves.
Covert Transmissions—because they are scientifically designed—made from the finest steels obtainable—and accurately cut—stand the strain of hardest usage.
That is why a Covert equipped motor truck is an easily-controlled truck—and remains so as long as the motor delivers the power.
Covert Gear Company, Inc.
Sales, Engineering and Service
967 Woodward Avenue, Detroit
Factories
Lockport, N.Y.—Detroit, Mich.
COVERT

HAYES WIRE WHEELS
Announcing Service and Sales Stations
NEW YORK.....Chadwick-Delamater Co., 159 West 24th St.
CHICAGO.....C. R. Kyte, Incorporated, 2023 Michigan Ave.
CLEVELAND.....City Auto Tire & Supply Co., East 24th St. & Chester Ave.
BALTIMORE.....Baltimore Wheel & Hub Co., Gay St. & Fallsway
DETROIT.....E. W. McGookin, 1231 Woodward Ave.
CASTLE & KYTE
Exclusive Selling Agents
872 Woodward Avenue
Detroit, Mich.
U. S. A.

A Neat Ambulance Body

This ambulance body is a product of the Lansing Body Co. Lansing, Mich., formerly known as the Lansing Wagon Works. The body is style No. 143

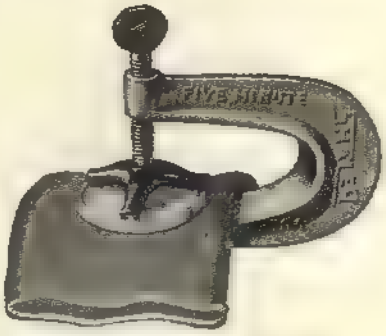




Two-Piece Adjustable Cover

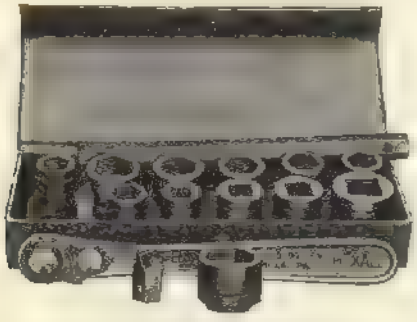
The Peters & Herron Dash Co., Columbus, O., is introducing a new style of tire cover for extra tires carried on wire wheels or rims that fit on special holders. This cover is made in two sections, of waterproof cloth, and has the special advantage that it may be placed upon the tire without removing it from the carrier. There are no straps, buttons or buckles to adjust or fasten, the cover being held in place by two spiral springs which grip the edge of the rim and hold it firmly in place.

The chief advantage that is claimed for this cover is that it is adjustable, and will fit both non-skid and plain tread tires, or can be made to fit any variation which may occur in the size of different makes of tires of the same general size.



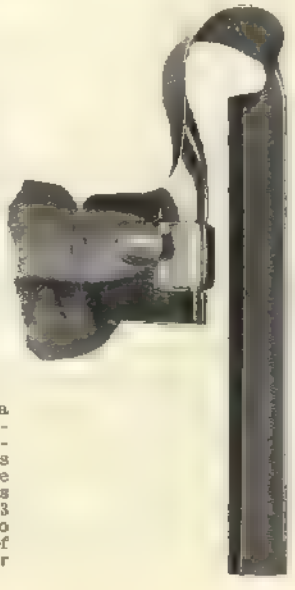
The Shaler Rapid Vulcanizer

The Shaler Co., Waupun, Wis., is offering the 5-minute vulcanizer that includes a clamp and twelve patch and heat units. Each patch unit consists of a metal container holding the combustible disc and a patch of Para rubber. The unit is clamped over the puncture and the combustible disc ignited. Enough heat is created to weld the rubber to the tube. The price of the complete outfit is $1.50. Additional patch and heat units sell for 75 cents a dozen.



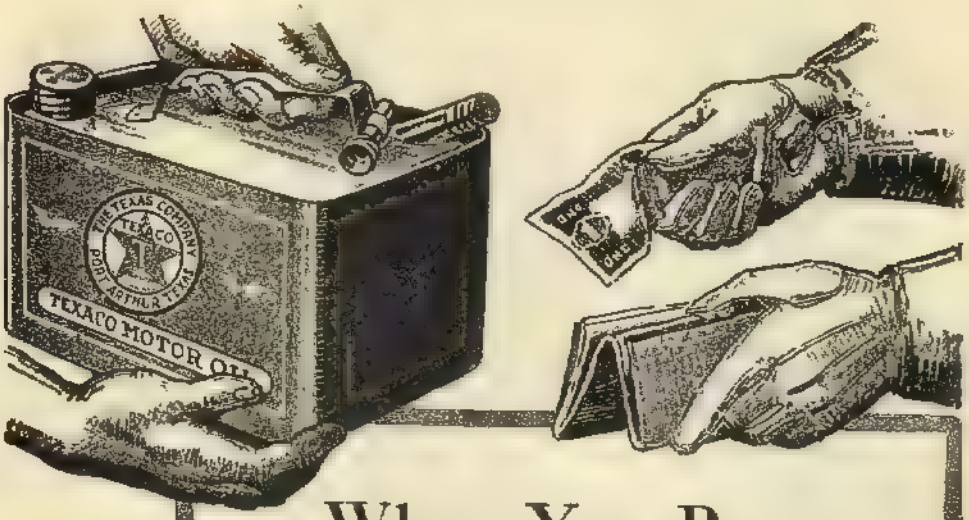
"Hexall" Wrench Set No. 1

This ratchet socket wrench set contains a 7-in. steel forged ratchet handle, two screwdriver bits, a 7-in. extension bar, eight hexagon sockets, four square sockets and is packed in a neat, strong cloth case. The weight of the outfit is 35 lb. and the price is $4. The manufacturer R. F. Sedgley, 2311-13 N. 16th Street, Philadelphia, Pa., offers to repair any broken Sedgley wrench free of charge. Other less complete sets sell for $2.50, $2 and $1.75



Klear-Light Windshield Cleaner

This windshield cleaner is 7½ in. high and slips over the top of the windshield. A rubber strip inserted in the steel body of the cleaner runs against the windshield glass and clears it of rain, snow, dirt and other foreign matter. It is worked by hand from the inside of the car. The U-Auto-C Corp., 21-23 W. 38th St., New York City, sells this accessory for $2.



When You Buy Motor Oil

The fact that your car would not run fifty yards without a lubricant of some kind in the crank case is ample evidence of the important part that lubrication plays in the operation of an automobile motor.

It is evident that there must be differences in the qualities of motor oils. Then, for the sake of economy and efficiency, use care when you buy motor oil. Buy only oil of proved and uniform quality, refined by a company in which you can place entire confidence.

TEXACO MOTOR OIL

is such an oil. It lubricates perfectly, keeping friction at a minimum. It gives an absolute seal between piston and cylinder walls, thus preventing leakage of gasoline into the crank case and the resulting deterioration of the lubricant.

Due to certain basic qualities it is impossible for Texaco Motor Oil to deposit a hard carbon crust in the combustion chamber and cylinders. Any carbon which does result from its use (and no oil is free from carbon) will be of a soft, sooty nature; will not score or cut the cylinders; and may be easily wiped off with a piece of cloth.

When you buy motor oil buy Texaco. The best way, the safest way, is in one or five gallon cans. Recognize Texaco Motor Oil by its clear, clean color.

THE TEXAS COMPANY
New York Chicago Houston
DISTRIBUTING OFFICES IN MOST CITIES

Carrying Hyatt's Message to American Motorists

Eastward over the Alleghenies to the Atlantic, and westward over the Rockies to the Pacific, the world's long-distance car is bearing to American motorists its message about Hyatt Bearings.

Traversing the country from coast to coast—over mountains, valleys, deserts, plains—the "Hyatt Roller" continues to prove, by this strenuous test, the limitless endurance of Hyatt Roller Bearings in automobiles.

Over 267,000 miles—more than ten times around the world—is this car's present record. All this mileage has been made on a single set of Hyatt Bearings.

Such is the service which motorists may reasonably expect from Hyatt Bearings in their own individual motor cars.

HYATT
QUIET BEARINGS

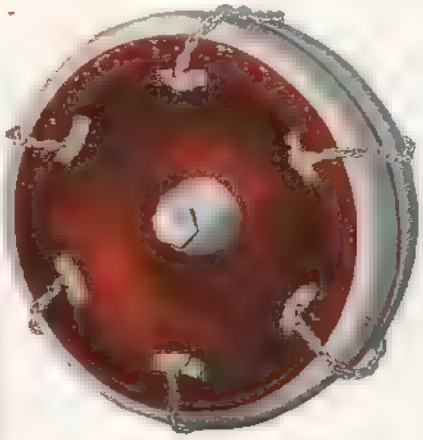
Mount Shasta, California's Highest Peak, as seen from the "Hyatt Roller"

CLARK

Steel Wheels

Lighter Weight Means Lower Operating Cost

Clark Steel Wheels weigh less than wooden wheels. The difference runs up to as much as 150 pounds per wheel in some types. Remember, that means about 600 pounds less dead weight to be pulled when a truck has Clark wheels.



Patented March 16, 1915

Is there any good reason why the engine of your truck should be required to pull this unnecessary weight when it offers no compensating advantages?

Being unsprung weight it simply means so much harder wear on your tires. The additional tire expense plus the cost of hauling this unnecessary weight will cut quite a figure in your operating cost.

Keep costs down to hard pan by buying trucks equipped with Clark Steel Wheels.

Clark Equipment Co., Buchanan, Mich.

Johns-Manville Fire Extinguisher

Prospects are in Your Store—Today

THE market for Johns-Manville Fire Extinguishers is limited only by the number of people who enter your store, for they're all prospects.

And the J M sells readily, too—for it's the *only* one-quart extinguisher with a two-way method of operation; discharged either by pumping or by air pressure previously pumped up. The latter method is vital in tight corners, where there's no room to pump, and customers are quick to see its value.

Motorists, motor boat enthusiasts, home owners, factory executives—all need the J-M. Just point out the need and the extinguisher will sell itself. Ask your jobber.

H. W. JOHNS-MANVILLE CO.
NEW YORK CITY
10 Factories—Branches in 55 Large Cities

Price in United States East of Colorado:
$10
Brass or nickel finish, bracket included
$10.50 Colo. and West
Dominion of Canada:
$12.60 East of Calgary
$12.50 Calgary and West

JOHNS-MANVILLE SERVICE
COVERS THE CONTINENT

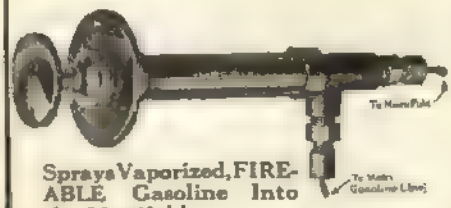
A PROFITABLE WINTER NECESSITY

WITH its auxiliary tank (P), the improved Imperial Primer assures a **quick, positive start** on the coldest day of winter, regardless of the grade of fuel used The tank need be filled with high-test gasoline only two or three times during the winter. Here is a guaranteed money and trouble-saver for motorists; **a profit-maker for every live dealer.**

The Imperial Primer **fits any car, any model.** Just as necessary for cars with self-starters, for it **saves** batteries and starters. Any motorist can install the outfit, which, in addition to the tank, consists of a small, powerful plunger pump, bolts, connections and tubings—all ready to mount on the dashboard of any car.

Imperial Primer

$6 Complete



Sprays Vaporized, FIRE-ABLE Gasoline Into the Manifold.

Take advantage of the big demand for Imperial Primers in your neighborhood, which will follow our national advertising. This includes full pages in the Saturday Evening Post

Act today! Write for details of our proposition

Imperial Brass Mfg. Co.
1206 W. Harrison St., Chicago, Ill.

Socket Wrench Board
3 Wrenches each size
22 sizes and classes.
Board Size, 18" x 3'11"

This Is No Free Offer

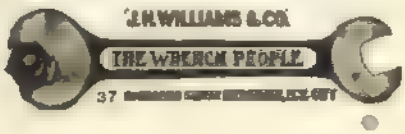
It is but another evidence of J H Williams & Co.'s policy to make your display and sale of Williams Wrenches attractive and profitable. We shall be well paid for the board in the increased business we acquire through your use of it, and in the added satisfaction it affords you and your trade.

You Buy the Wrenches

a carefully selected assortment that provides the widest range of usefulness. Their finish and physical qualities are unexcelled and they enjoy a larger consumer demand among mechanics than all others combined

We expend our advertising appropriation to introduce tool buyers to your store and we expend our payroll to make them your regular customers

We have a larger Board of the same type as the "A" Board, containing six Wrenches of each size, 22 sizes and classes, with an over all length of 90"



"Silent Salesman" "A" Board
6 Wrenches, each size
16 sizes and classes.
Length over all, 54"

Don't Send Your Customers to Another Garage!

Unless you can repair and adjust Electrical Starting and Lighting Equipment, you cannot hold the cream of the garage business. With the increasing demand for this sort of service, you must equip to handle the business or lose it.

Weston Model 280 GARAGE TESTING INSTRUMENT

is the best, the most reliable, and therefore the cheapest electrical equipment for you. It enables you to determine promptly and accurately the condition of the electrical equipment of any automobile just where the trouble is, and just how to remedy it. Write for our Special Proposition.

Weston Electrical Instrument Co., 4 Weston Ave., Newark, N. J.

23 Branch Offices in the Larger Cities

AUTOMOBILE Body Sheets

ALSO MATERIAL FOR FENDERS, GUARDS, HOODS, ETC.

"THURITE" Deep Drawing Stock—the highest quality and most ductile steel sheet on the market today. We manufacture Black Sheets of every description, Enameling and Japanning Stocks, Apollo-Keystone Copper Steel Galvanized Sheets, Roofing Products, Terne Plates, Etc.

AMERICAN SHEET AND TIN PLATE COMPANY, General Offices: Frick Bldg., Pittsburgh, Pa.

No. 04 Special

To give your trade everlasting jack satisfaction, sell

BUCKEYE JACKS

There's a BUCKEYE JACK made for every type and size of motor vehicle. They are splendid sellers, because they have a long record of success behind them and are known for their quality, strength and dependability.

New models (one of which is shown here) have been added to the line. They have an improved auxiliary foot of great strength, which gives a long range of exceptionally quick adjustments without the use of tools. Write for catalog and prices.

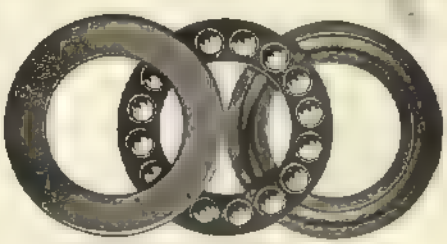
The Buckeye Jack Mfg. Co., Alliance, Ohio

RADIAL RETAINER

The Bearings Company of America

LANCASTER, PENNA.

Western Office:
604 Ford Building
Detroit, Mich.



COMPLETE BALL THRUST BEARINGS

Manufacturers of Star Ball Retainers for Cup and Cone, Thrust and Magneto Type Bearings. Write for List of Sizes

The Kissel All-Year Truck Cab

An innovation that is destined to have an effect on the comfort of motor truck drivers is that of the all-year cab, originated, designed and built by the Kissel Motor Car Co., Hartford, Wis.

It is a new adaptation of Kissel's original convertible idea, giving to truck drivers a closed, warm cab in winter, which can be easily and quickly changed into the Kissel standard open cab in summer.

It stands a little over 5 ft. from chassis frame to roof and the cab frame is of hardwood, bolted and locked. All sides and doors are covered with especially treated sheet metal enabling the cab to withstand the twists of the frame when negotiating rough roads. Instead of the wooden dash the all-year cab dash is of heavy plated metal, giving unusual substantiality.

It seats three with plenty of leg room. Tank and tool compartments are under the seat. Doors on each side measure 25 in. wide. Metal pockets are furnished on both sides of the cab for time, tire, gasoline and other mileage record cards and books.

Special Pittsburgh glass is furnished for the doors, sides and rear window which has

The Kissel All-Year Cab in Winter

Showing the winter enclosures, consisting of rain-vision windshield, side, door and rear windows, that are easily and quickly attached to the standard open cab, making it weather-proof.

a heavy wire protection screen. A rain vision windshield is also included with the winter equipment.

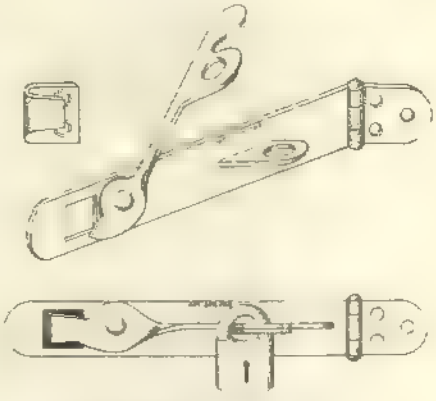
To change the all-year cab into the Kissel standard open summer cab, the winter inclosures are easily and quickly removed

This special cab, which is exclusive with the new Kissel trucks, is in its open form, without the winter inclosures, standard equipment on all the new Kissel truck models excepting "The Flyer" light delivery car. The winter inclosures for the all-year cab cost $50 extra

Commercial Car Door Lock

A lock for commercial car doors that is said to take the place of a hasp, a handle, and a lock, and which does not rattle, has been designed by William Church, chief engineer, Variety Mfg. Co., 2958 Carroll Avenue, Chicago, Ill. This lock is simple, durable and inexpensive.

A wedge shaped lever, fastened to the main hinge at one end, when brought down,



Novel Design of Door Lock

The upper illustration shows it open, the lower shows it locked with padlock

engages at one end a projection coming through a hole in the hinge and near the other end lies on a shelf with a hole for a padlock, similar to one in the lever arm. In this way the lever is held firm when the door is closed. When the door is open the hasp swings back, acting as a handle. The lock is so fastened that no screws or bolts holding it to the door can be removed. The retail price of this device is 75 cents.

The tariff on motor vehicles has been lifted by the government of Mexico owing to strong protest made by Mexican automobile dealers. The duty was to have gone into effect on July 1st, imposing an import duty of 60 cents Mexican gold per kilo of 2.20 lb. on motor vehicles. This duty would have meant that a car or truck weighing 1000 lb. would have had to pay an import duty of $450 Mexican gold, which is about $225 in American money. Now that the import duty has been entirely lifted, it is expected that a large trade in American trucks will be built up in Mexico.

The "Ton-and-a-Quarter" is the Big Corner in the Truck Field

$1150
CHASSIS

DEALERS, you will find that looking into this Koehler proposition feels like a handshake with big truck profits.

What will appeal to you in the first place is the cleancut ease of demonstrating this truck and the selling punch it has, all around and in every feature.

And the terms on which you sell it will suit you from the ground up.

Having the big appeal we have to the user, we are not going to wait for any user to find it out.

We are going after him to the limit, to pave the way for our dealers in the broadest possible style.

In a big, comprehensive way, we're going to tell every user and potential user of Ton-and-a-quarter Trucks why the Koehler is the logical truck for his particular, individual haulage problem.

To start with, we have contracted for full pages in the Saturday Evening Post and the Literary Digest in which we will deliver our message of Koehler supremacy to the Ton-and-a-quarter Truck public.

The Saturday Evening Post of September 15th and the Digest of August 25th contain the opening guns in this campaign. It will give you a clear idea of the Koehler appeal to truck users. It will show you why, right in your territory, there will be a host of live prospects.

For we believe our Selling Plan and Profit Arrangement, formulated on a basis of service comprehending every varied requirement of Koehler users, will instantly appeal to you as an aggressive dealer. They are the outcome of working out a big proposition in a big way for big men.

Major Specifications

MOTOR—35 H. P. Valve-in-Head.
IGNITION—Eisemann High Tension.
CARBURETOR—Stromberg.
TRANSMISSION—Selective Sliding, Multiple Disc Clutch.
DRIVE—Torbensen Internal Gear.
WHEELBASE—129 inches.

The Koehler is an unusual truck—the Koehler Plan is equally as unusual. An inquiry from you today will put you in touch with full particulars.

Distributing arrangements now also being made for the
KOEHLER 3-TON TRACTOR
"The Land Tugboat"
—a *better* Tractor at a *lower* price

H. J. KOEHLER MOTORS CORPORATION

152 Ogden Street and Fourth Avenue **Newark, New Jersey**

A WINNING Combination

JUST as the performance of the Marmon 34 has attracted nation-wide attention, Marmon advertising has caused much favorable comment. Appearing in all the leading class publications and supplemented by an effective newspaper campaign, it has called to the attention of discriminating motor car buyers the features of this scientific car, and the results it has achieved.

In connection with the national advertising done by Nordyke & Marmon Company is a complete dealer newspaper service—a service that brings you the full benefit of our national advertising.

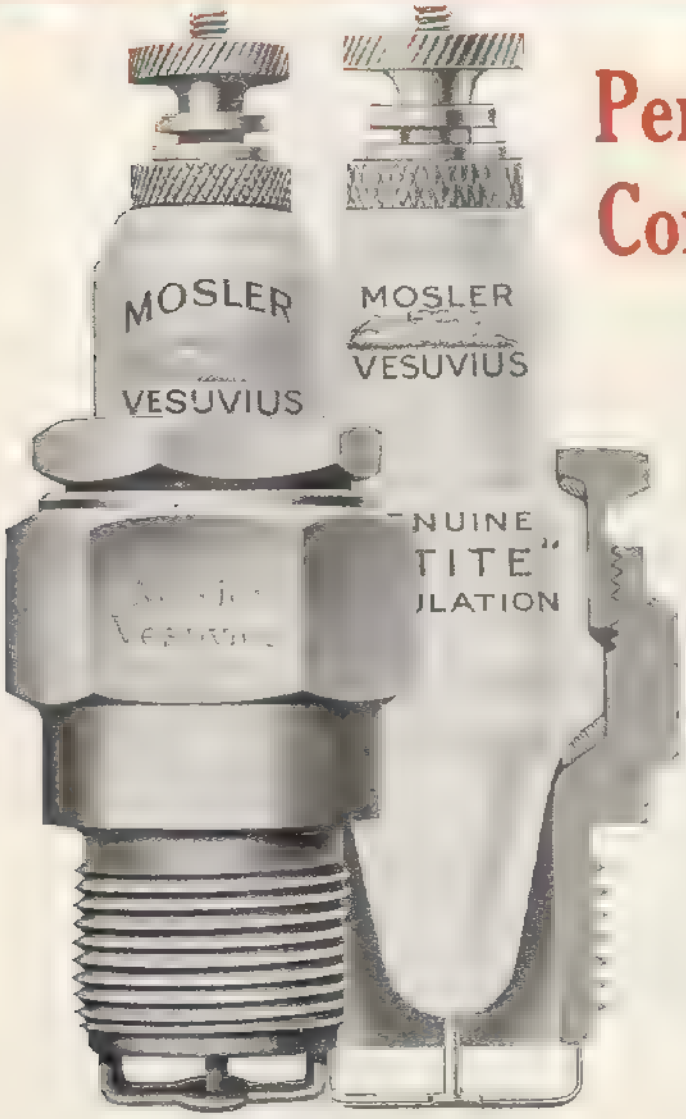
No better proof of the effectiveness of Marmon advertising could be given than that a little less than two months ago a Marmon 34 was sold directly from one of our advertisements. Our dealer in the territory from which the order came wrote:

"In our five years of automobile experience, this is the first time the writer has ever had it brought to his attention that a car could be sold directly from an advertisement."

NORDYKE & MARMON COMPANY

Established 1851 : INDIANAPOLIS

17 Years of Leadership in Spark Plug Manufacture



Perfect Plug Construction

The Vesuvius Plug is the result of 17 years' experience in manufacturing spark plugs.

It was built after years of study — and close attention to every detail of design.

The most vulnerable part of a plug is the center core.

Mosler "VITITE" (our own insulation) is a proven success.

Note in the accompanying cross sectional view the massive, double-step, stone insulator. The upper gasket rides on a "second" shoulder—distributing the strain throughout the whole core—instead of on a thin shoulder, as in all other plugs. This not only correctly centers the center electrode, but distributes the pressure above the center of gravity.

This is just one exclusive Mosler feature helping to make the Mosler Vesuvius "The Indestructible Plug."

Our merchandising sales work is on a par with the plug—write in for details.

MOSLER VESUVIUS PLUG

A. R. Mosler & Co.
New York, N. Y.

THE INDESTRUCTIBLE PLUG [illegible] TO OUTLAST THE MOTOR

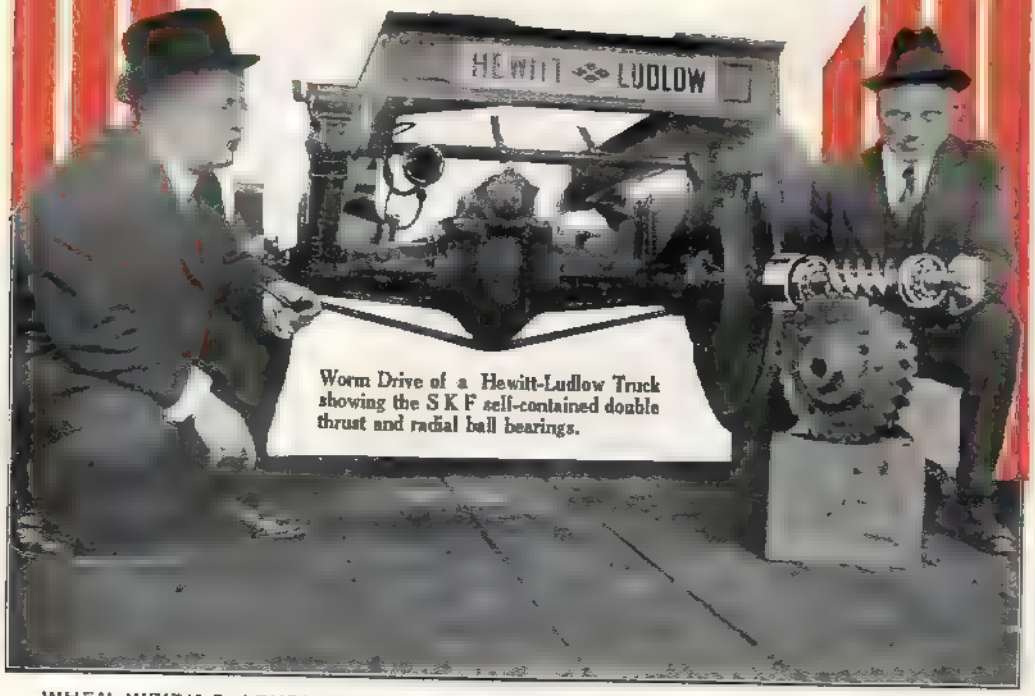
See!–These Bearings Keep
The Worm and Wheel in Proper Mesh!

Notice the double-row of balls and the inner race deflected? These features of S K F Ball Bearings give a practically uninterrupted support and keep the worm and wheel in proper mesh, and yet at the same time allow for deflection produced by constant shocks and unevenness of the road or strains from the universal joint.

S K F Ball Bearings are rugged and uniformly reliable, particularly on worm drives, which are subject to heavy strains. This is why many of the better grades of Trucks are S K F equipped.

SKF BALL BEARING CO.

HARTFORD CONN.



Worm Drive of a Hewitt-Ludlow Truck showing the S K F self-contained double thrust and radial ball bearings.

JUST THE WRENCHES THAT SELL JUST THE WAY TO SELL THEM

Adjustable Wrench Display Board, Model "T"

Whether for a lawn mower, a motor, or a tractor, can you beat a good pressed-steel double-end wrench? One that's hardened and tempered with openings milled to size?

The "X" Display Board features a dandy assortment of just such wrenches. Single-end and "S" wrenches, too.

Dependable? Well, rather! The old ◈ guarantee goes with every ◈ tool.

Send for Catalog No. 191 D

FRANK MOSSBERG CO. ATTLEBORO, MASS. U. S. A.

Harvey RACINE

Boltless Springs Do Not Break

Solve Replacement Troubles

There is no make or model of car whose broken springs cannot be replaced with a Harvey—and every replacement is proof against future breakage

It's decidedly good business to recommend

Boltless Springs

Harvey RACINE

They do not break and we will replace, without cost or question, any Harvey Spring that proves defective at any point. Get your share of the big replacement business which the remarkable Harvey advertising is bound to bring. It will pay big. Remember, more than 600 sizes, weights and styles of Harvey Springs—an exact duplicate for nearly every possible replacement. Stocks of over 21,000 springs always ready to fill rush orders and more than 50 completely-stocked jobbers ready to serve you on short notice.

Get the Harvey Spring Book, Free

The Harvey Spring Book is an indispensable thing for you to have. Shows sizes, weights, measurements, prices, etc., of the 600 and more Harveys. You need the book. It's yours for the asking

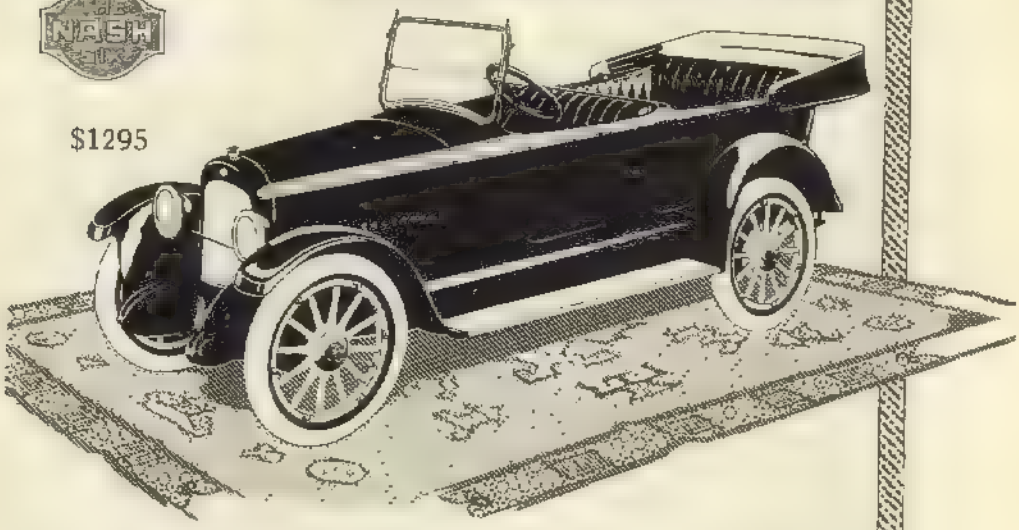
HARVEY SPRING COMPANY 852-17th St. RACINE, WIS.

Announcing

THE NASH SIX

PERFECTED VALVE-IN-HEAD MOTOR

$1295



It's Here—the New Nash Car

This is the Nash Six, the car with the perfected valve-in-head motor. It embodies the 25 years' manufacturing experience of C. W. Nash.

In simple truth it is a fine car.

A mighty car on the road. Easy to handle in traffic; beautiful to look upon.

The perfected six-cylinder valve-in-head power plant develops unusual power.

And the body — real beauty there—handsome and graceful.

The price is moderate. It's Nash designed and Nash built. Ranks with more costly cars. But the price is moderate—$1295.

NASH MOTORS COMPANY
Kenosha, Wisconsin

Manufacturers of Passenger Cars and Trucks, including the Nash Quad

Four-Passenger Roadster - - -	$1295
Sedan - - - - - - - - -	1985
Nash Model 671 - - - - - -	1465

Prices f. o. b. Kenosha

NASH MOTORS

VALUE CARS AT VOLUME PRICES

The Neverout

REG U.S. PAT. OFF

AUTO NECESSITIES

Neverout Patent License Brackets

Comply With the Law

No. 9—Attaches directly to water-filler tube of car.

No. 62—Interchangeable type. Fits all brackets on rear of cars.

PREPARE FOR FROST

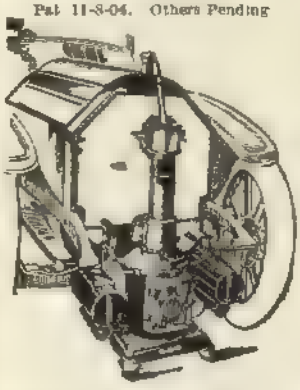
The Neverout

TRADE MARK

Auto Radiator & Garage Heater

DIRECT HEATING SYSTEM

Pat 11-8-04. Others Pending



Circulates a current of warm water in water circulating system of motor.

Solves the cold garage problem. Keeps the auto warm in the coldest weather and makes the garage comfortable.

Address Dept. AA for descriptive literature

Burns Kerosene

Approved by Leading Fire Insurance Companies

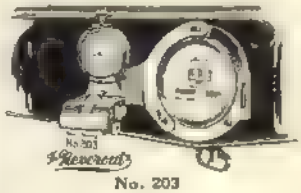
Neverout Dash Light and Illuminated Clock

For FORDS

Pat 6-19-17
No. 202

Illuminates the clock and entire dash, foot pedals, coil box, speedometer, etc.

Securely attached by means of clamp on the angle iron beneath the windshield, as shown in illustration—no drilling. Current for this light is furnished from the Ford magneto; can be turned on or off at will.



No. 203

No 203 is substantially the same as No 202 (shown above), excepting that it contains a fixture for instantly attaching direct to any sheet Cowl Dashboard, without the necessity of drilling holes. The timepiece, speedometer, and lower parts of the dash are nicely illuminated. This Combination is fitted with the best material Mazda bulb, handy lever "on and off" switch, etc., and greatly improves the general appearance of the Cowl Dash.

Made only by ROSE MFG. CO., 911 Arch St., Philadelphia, U. S. A.

Write for prices and data

ONEIDA
MOTOR TRUCKS

The Dealer's Truck Ideal Attained at Last

Worm Drive
1 Ton
1½ Ton
2 Ton
3½ Ton

If you were to sit down and visualize the sort of a truck you would build were you a manufacturer, the chances are your finished product would be almost identical with the Oneida Truck.

For Oneida engineers aimed for truck perfection and attained it as near as it can be attained.

The Oneida represents a perfectly co-ordinated truck composed of the best units in the world.

We want to hear from dealers of the right sort in unallotted territories. To them we will offer a proposition as near perfection as the truck itself.

Oneida Motor Truck Co.
Green Bay, Wis., U. S. A.

FULTON
MOTOR TRUCKS

The world's standard of motor truck value has been set in Fulton Trucks of 1½-ton capacity by the price of $1420.

THIS alone should cause every prospective buyer to examine the truck critically—minutely—and give consideration to its sterling quality.

Fulton Trucks are mechanically perfect—they embody engineering and manufacturing experience extending back to the beginning of the commercial motor. They have proven their service capacity from coast to coast under all conditions and in practically every line of trade.

The dimensions of the Fulton Chassis are liberal—big—for 3,000 lbs. capacity. The wheelbase is 136 inches, and the frame bed allowance for body is 9 feet. For bulk loads a 10-foot or longer body may be carried, as the rear axle is set well back of the 9-foot center.

The construction is substantial—husky and solid. The whole Fulton assembly is built into a frame of size and strength equal to any two-ton frame in America. A 200-pound man can stand on the top of the mudguard and rock the front springs. This is an example of the engineering principle to be found throughout Fulton construction.

The Fulton power plant carries unusual heavy bearings—it is a powerful *truck* engine, geared to the load at 8.2 to 1 in high speed—and supplies supreme pulling power that will walk through the toughest going.

The internal gear drive rear axle is practically foolproof. Fulton axles have been operated hundreds of miles in hard service after being drained of oil, without showing appreciable wear. These tests were made to ascertain the amount of abuse the axle would stand.

The Fulton radiator is not surpassed by any other radiator on any truck at any price. It has seven gallons' capacity and is exceptional as to its fine workmanship.

Thus does Fulton quality and Fulton price set a standard that challenges the motor world to duplicate.

Write for catalog and the Weight of Evidence Folder, showing Fulton Trucks in service and variety of body styles.

Dealers in open territory should investigate the selling possibilities of this truck.

Fulton Motor Truck Company
Farmingdale-Long Island-New York

Distributors in—Boston, Hartford, Providence, New York, Trenton, N. J.; Newark, N. J., Philadelphia, Scranton, Pittsburgh, Buffalo, Rochester, Savannah

PARRY BODIES for FORD 1-TON TRUCK

will be used everywhere in practically every line of commercial activity

Ford quantity production and factory efficiency have made the Ford car the recognized leader in the light pleasure car field. Now comes a one-ton commercial car chassis—produced at the same factory, under the same scientific management—which is destined to become the popular leader in the light commercial car field.

Just as the Ford stands supreme in chassis production—so stands Parry supreme in quality and quantity body production.

Parry Bodies are made in the world's largest Commercial Body factory, by an organized force of the best mechanics. Parry guarantees you immediate deliveries at all times—in fact 96% of all orders are shipped the same day as received—that's an important feature of Parry service that will help you to land "rush" orders.

Parry makes a complete line of Ford Commercial Bodies for regular extension, or Ford one-ton chassis.

PARRY MANUFACTURING COMPANY
INDIANAPOLIS U. S. A.

Everywhere

WHEN WRITING ADVERTISERS KINDLY MENTION AUTOMOBILE TRADE JOURNAL.

The Peerless Dealer's Big Advantage

Peerless
TWO-POWER-RANGE
Eight

A Motor Car With "Second Wind"

The "Loafing" Range

To loaf along smoothly behind retarded traffic and yet be able to dash ahead the instant there is an opening—smoothly—without hesitation—and quickly attain any permissible city speed,—to have tremendous power in reserve—of no expense until you use it—that is the Peerless Eight. For in its "loafing" range, the Peerless consumes fuel so sparingly as to shame many a lesser powered four or six.

The "Sporting" Range

To take a new lease on life and climb on with renewed courage when you would expect her to falter at so steep a grade—to speed faster and faster after you thought she had delivered her final spurt—that is thoroughbred performance—that too is the Peerless Eight. To transform delectable softness into resistless power you have only to open the throttle wider and release her double poppets.

Seven Passenger Touring

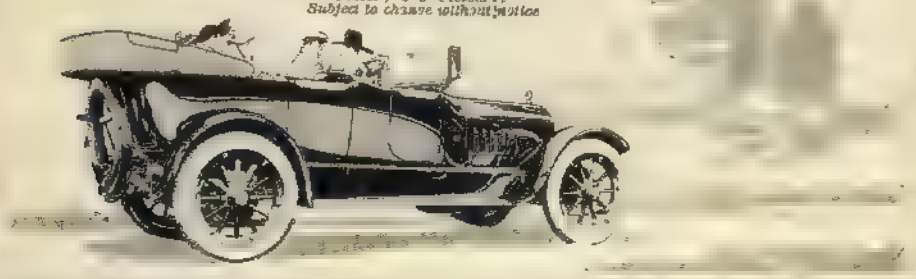
$2090

Roadster $2090 Sporting Roadster $2350
Coupe $2750 Sedan $2990 Limousine $3590

(Until increase becomes effective)

Prices f. o. b. Cleveland
Subject to change without notice

The Peerless Motor Car Co. Cleveland Ohio



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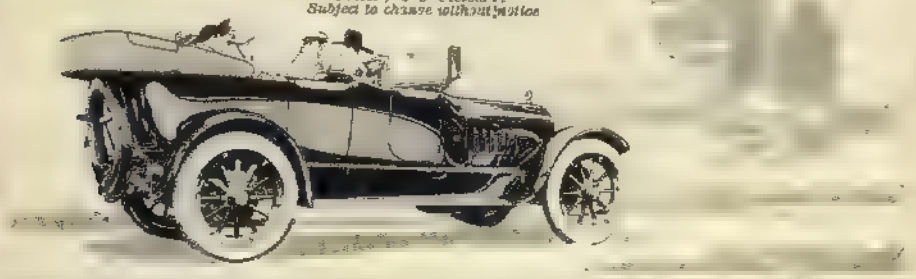


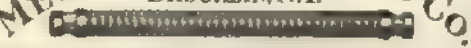
"TRIPLEXD"
GASOLINE HOSE

Welded—Flexible—Permanent
And It's Metal Lined

The unequaled service qualities of "TRIPLEXD" Gasoline Hose are due to its three part construction (Metal Rubber and Loom Woven Fabric) welded into a unit of strength and compactness thru vulcanization.

Specify "TRIPLEXD"

METAL HOSE & TUBING CO.
INCORPORATED
BROOKLYN, N.Y.



It Looks Small

but the difference between our patented pole shoes and the standard design is the reason for

HIGH TENSION
SIMMS
MAGNETOS

generating the same hot spark at low speeds as at high. You know the value of this for increasing power and flexibility

Write for literature

The Simms Magneto Company
279 N. Arlington Ave.
East Orange, N. J.

AMERICAN TIRES AKRON

5 MINUTE CURE 5

MINUTE CURE

MINUTE CURE

REPAIR MATERIALS AND ACCESSORIES

Dealers: Write for specifications and our agency proposition

American Rubber & Tire Co.
AKRON, OHIO, U. S. A.

"Pennsylvania"
Pumps and Storage Outfits

of *all* kinds are unequaled in merit and are sold direct, at surprisingly low prices.

Buy a "Pennsylvania" and save money.

The N.S.S. Co.
Bareville, Pa.

RAYFIELD CARBURETOR

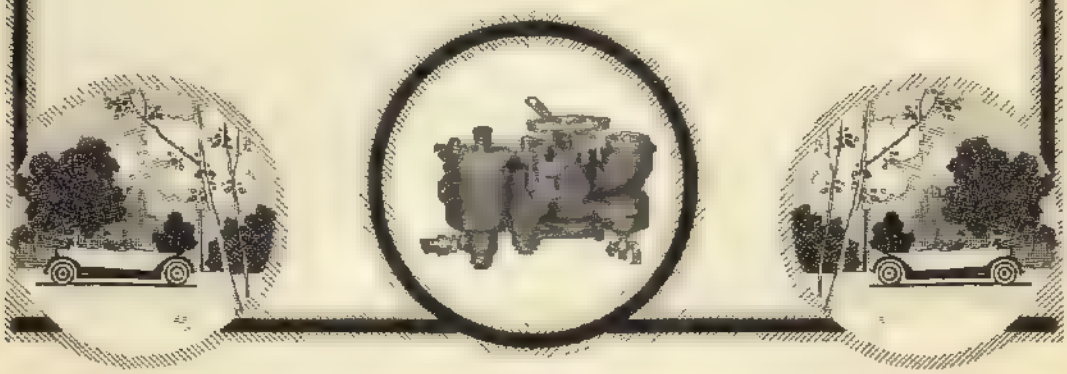
ADDS to any car a generous surplus of speed—power and flexibility.

Quickly responsive to the throttle, it also gives the slowest speed for crowded traffic. In city or country running, it turns in the lowest score for fuel consumption.

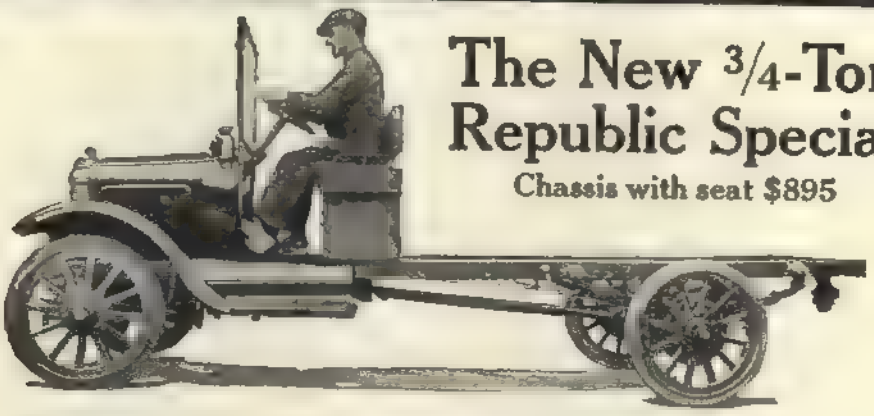
Not lowest in first cost, it pays for itself in fuel economy within a few months—and delivers just what every car owner wants.

It's the best carburetor to buy and the best for dealers to sell because it's guaranteed without condition by the manufacturers.

FINDEISEN & KROPF MFG. CO.
2107 Rockwell Street
Chicago



REPUBLIC



The New 3/4-Ton Republic Special

Chassis with seat $895

Two New Models

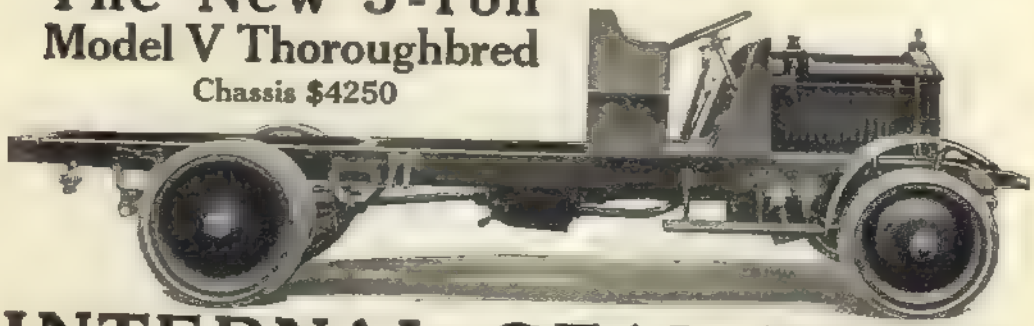
TWO sturdy new models now round out the Republic line at either end—Republic Special for 3/4-ton trucking, and Model V Thoroughbred for heaviest work. Each with the Republic capacity for excess strain. The Republic line includes seven models in capacities of 3/4-ton, 1-ton, 1 1/2-ton, 2-ton, 3 1/2-ton and 5-ton—at prices from $895 to $4250, f.o.b. factory. We furnish all types of bodies.

SEND FOR OUR LIBERAL PROPOSITION. ADDRESS DEPT. H.

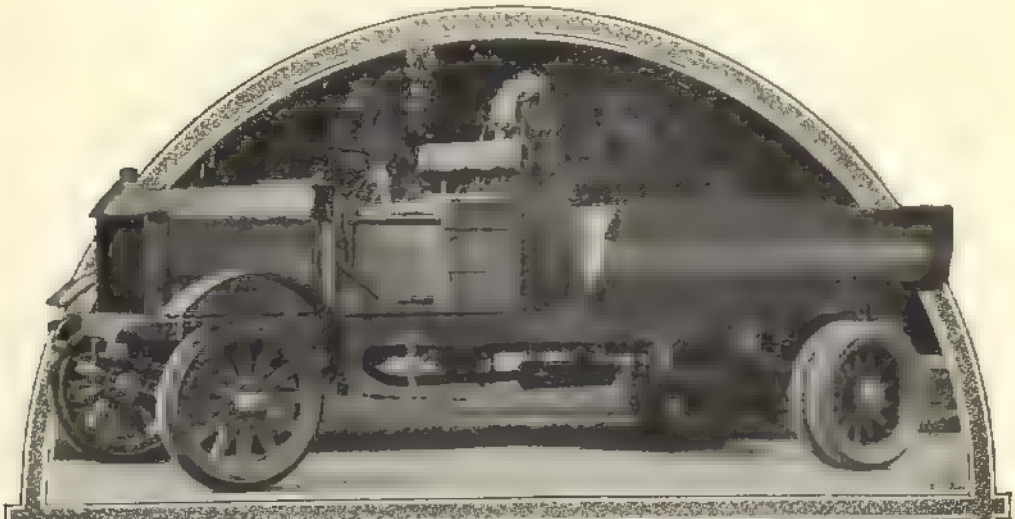
REPUBLIC MOTOR TRUCK COMPANY, INC., Alma, Mich.
Dealers and Service Stations in Over 900 Principal Cities

The New 5-Ton Model V Thoroughbred

Chassis $4250



INTERNAL GEAR DRIVE



Selden Trucks

SELDEN TRUCKS — SELDEN — IN BUILT QUALITY

Pittsburgh's Largest Fireproof Storage House

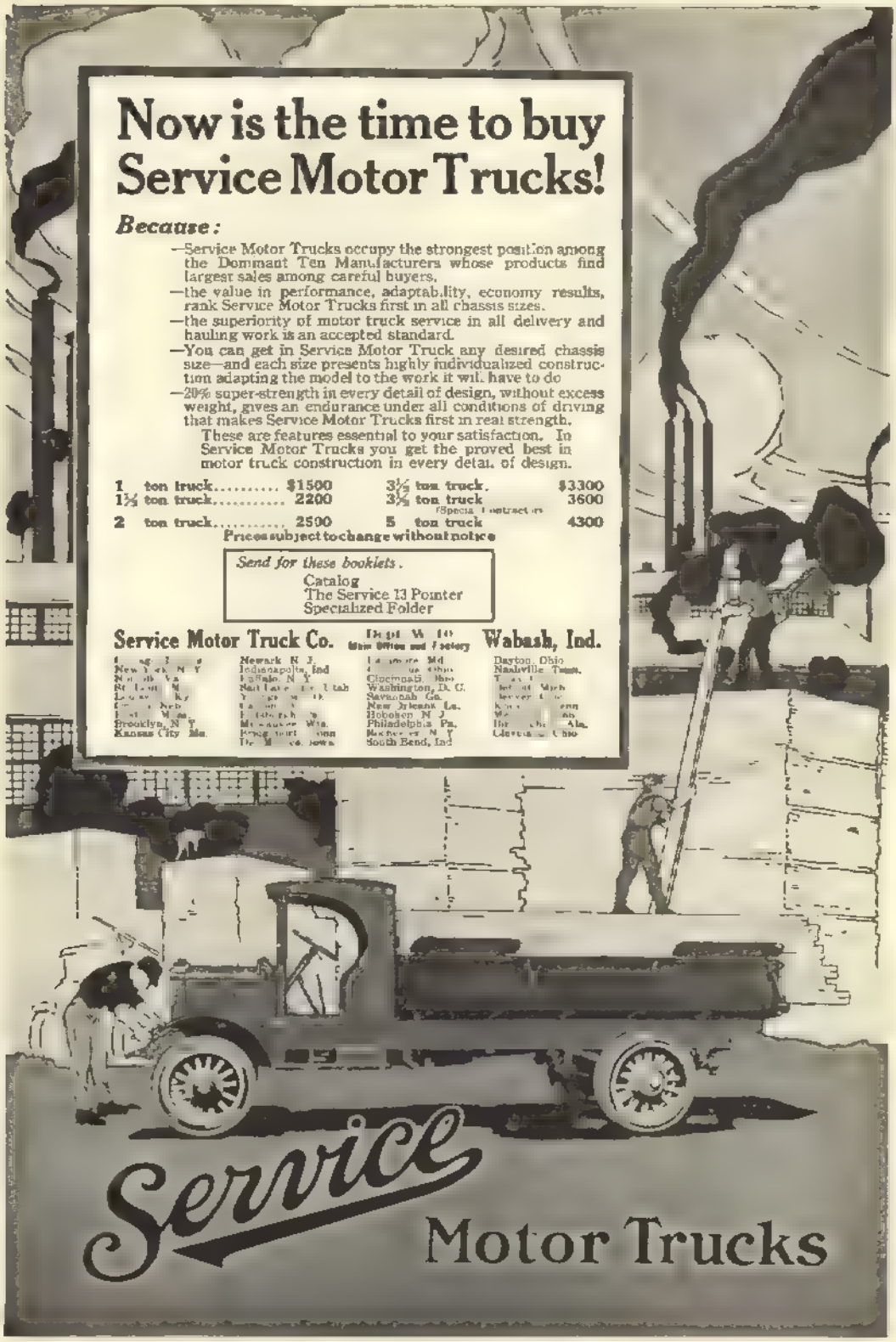
uses a 3½ ton Selden Truck. And, to quote their words, "It's a bear."

They say that with a very heavy van body they send this truck on long movings over all kinds of roads—covering from 50 to 200 miles each way—and it "always gets through."

The satisfaction of this Selden user is evident. There are many other satisfied Selden users. "Buy a SELDEN—It's ALL Truck."

DEALERS: Some good territory is open. Write or wire for it.

Selden Truck Sales Company
Rochester, N. Y., U. S. A.


Now is the time to buy
Service Motor Trucks!
Because:
—Service Motor Trucks occupy the strongest position among the Dominant Ten Manufacturers whose products find largest sales among careful buyers.
—the value in performance, adaptability, economy results, rank Service Motor Trucks first in all chassis sizes.
—the superiority of motor truck service in all delivery and hauling work is an accepted standard.
—You can get in Service Motor Truck any desired chassis size—and each size presents highly individualized construction adapting the model to the work it will have to do
—20% super-strength in every detail of design, without excess weight, gives an endurance under all conditions of driving that makes Service Motor Trucks first in real strength.
These are features essential to your satisfaction. In Service Motor Trucks you get the proved best in motor truck construction in every detail of design.
1 ton truck..... $1500
1½ ton truck..... 2200
2 ton truck..... 2590
3½ ton truck. $3300
3½ ton truck 3600
(Special Contractors
5 ton truck 4300
Prices subject to change without notice
Send for these booklets.
Catalog
The Service 13 Pointer
Specialized Folder
Service Motor Truck Co.
Wabash, Ind.
Service
Motor Trucks

SPARTON PRODUCTS

First Choice of America's Best Cars

Sparton Motor Horns

Adopted as standard equipment on 42 leading American cars, after exhaustive tests by the 42 separate engineering departments of the manufacturers.

The Sparton Gasoline Vacuum System

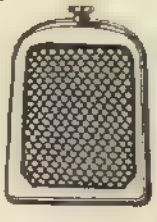
To the list of high-grade cars using this system was recently added the Studebaker; its makers, after comprehensive examinations, expressing their conviction of its superiority by placing an initial order for 60,000.

A gasoline vacuum system, to afford the reliability of gasoline supply that it is designed to provide, must in itself be reliable in design and construction.

Motor car manufacturers have come to regard the name of Sparton as synonomous with reliability—it is the undeviating intention of this company to have it so.

Sparton Pat. Type Radiator Fans

Sixty of the highest grade cars made in the United States have this fan as a standard part. The patented construction, *i. e.* rim integral with blades, insures permanent alignment and protects radiator and user. Scientifically designed blades make this fan move the greatest volume of air with the least amount of power.



Sparton Honeycomb Radiators

Made and tested in conjunction with Sparton Radiator Fans, Sparton Radiators are the most efficient procurable. Made of non-rusting metal with secure jointures, they do not leak.

We invite motor car manufacturers to write us for information. Prompt deliveries assured

The Sparks-Withington Co., Jackson, Mich., U.S.A.

(12)

REG. U. S. PAT. OFF.

GTD

Tools for Repairing Automobiles

G. T. D. tools are favorites the world over because of their easy cutting and lasting qualities.

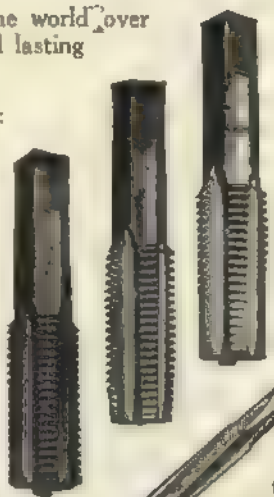
Our line includes the following:

Taps and dies, for both hand and machine use.

Screws Plates, both U.S. standard and S. A. E. standard threads, including combination assortments containing both standards.

Threading machines for bolts and nuts.

Reamers, all kinds, singly and in sets. Also special Reamer for Ford cars.



Ask for Catalog No. 57 showing complete line

For the Manufacturer

We have developed several new and decidedly better tools for machine threading. These are the "Gun" Tap—the "Shear-Cutting Tap," the "Acorn" Die and the Wells Self-Opening Die. These tools will positively boost production and reduce threading costs.

Send for catalog and booklets showing these and other tools for machine use

Ask for Bulletin No. 1, "How to Measure Screw Threads"

Greenfield Tap and Die Corporation

Greenfield, Massachusetts

New York, 28 Warren Street — Chicago, 13 So. Clinton St.
London, 149 Queen Victoria Street
Canadian Factory, Wells Brothers Company of Canada, Ltd., Galt, Ontario

A Car That Offers Prestige and Profit

THE Stearns good name for twenty-one years has been an important sales asset.

For years it has created and held a particular clientele who hold Stearns cars among the foremost in America.

And now comes a thorough and far-reaching advertising campaign to extend the asset of this good name, and to emphasize the value of this truly fine car.

The public will come to know in greater numbers the perfection, by Stearns practice, of the Knight principle.

And knowing, they are bound to desire, more than ever before, the possession of this excellent car.

The Stearns franchise has become more desirable and more valuable than ever.

It will be carefully awarded in territories where we are not represented, to dealers who meet Stearns standards of integrity and initiative.

To such dealers we are prepared to offer a sales and advertising co-operation that is sure to add to their profits.

Stearns Four $1785
five passengers
Touring Car for Seven, $1985 Cluster-vent Roadster $1785 Coupe $2500 Convertible Sedan $2850 Limousine $2850 Limousine Brougham, $3500 Landaulet, $3300 Landaulet Brougham, $3450

Stearns Eight
Touring Car for Seven $3475, Cloverleaf Roadster $3575, Coupe $3800 Sedan Landaulet $3200, Limousine, $3850 Limousine Brougham $3870 Landaulet $3985 Landaulet Brougham $3985

THE F. B. STEARNS COMPANY, CLEVELAND, OHIO

That record was hung up by Joe Dawson, May 4th at Jacksonville, Fla. Chances are *you'll* never want to split seconds with so swift a pace. That doesn't matter—doesn't enter into the consideration. All *you* care about is this—The

New Stromberg Carburetor

—a stock carburetor at that—*must have* given perfect performance—*must have* delivered the proper gas mixture at the proper time—or that speed could never have been attained.

That's the "meat of the matter"—*proper performance* greatest power—swiftest speed. If *Joe Dawson* got it from a stock *Stromberg* equipped stock *car*—with *fan removed*—it's certain *you'll* get the same high standard of efficiency and linked with it, greatest economy

Let us convince you of that with a 10-day trial on *your* car.

Send now for full particulars, giving name year and model of your machine.

STROMBERG MOTOR DEVICES CO., Dept. 1021, 64 E. 25th Street, Chicago

New STROMBERG Does it!
CARBURETOR

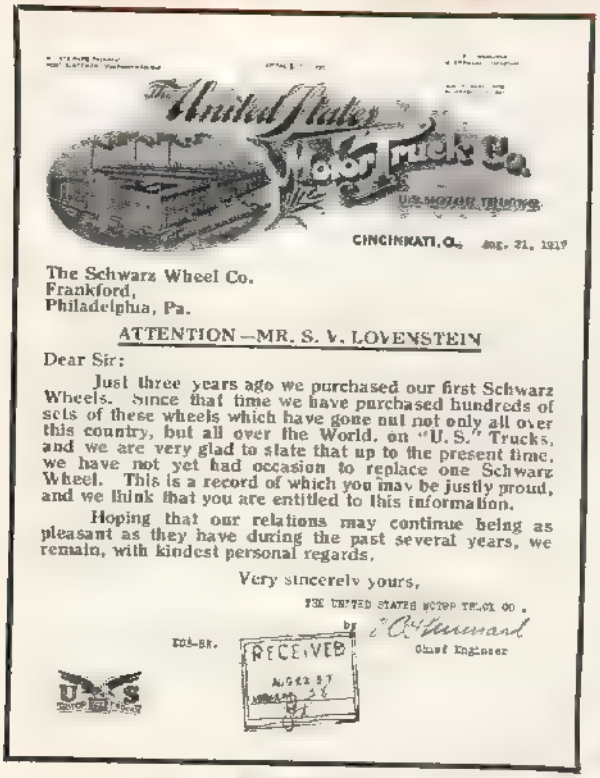
"Hundreds of Sets Without One Replacement"

That is the proud record made by

SCHWARZ WHEELS

in the service of

U. S. TRUCKS



The United States Motor Truck Co.

CINCINNATI, O., Aug. 21, 1917

The Schwarz Wheel Co.
Frankford,
Philadelphia, Pa.

ATTENTION—MR. S. V. LOVENSTEIN

Dear Sir:

Just three years ago we purchased our first Schwarz Wheels. Since that time we have purchased hundreds of sets of these wheels which have gone out not only all over this country, but all over the World, on "U. S." Trucks, and we are very glad to state that up to the present time, we have not yet had occasion to replace one Schwarz Wheel. This is a record of which you may be justly proud, and we think that you are entitled to this information.

Hoping that our relations may continue being as pleasant as they have during the past several years, we remain, with kindest personal regards,

Very sincerely yours,

THE UNITED STATES MOTOR TRUCK CO.,

By C. A. Linnard
Chief Engineer

RECEIVED

U. S. Trucks have made a great name for themselves in giving splendid service under difficult conditions. Such enviable records as they made were possible only by having every part right.

Naturally, when it came to selecting wheels, they, like most of the other quality truck makers, turned to the Schwarz product.

That their confidence was not misplaced is shown by the accompanying letter. U. S. Trucks are carrying the fame of American-made trucks all over the world, and Schwarz Wheels are doing their part in creating that fame.

Wheels that make a record like the above are a good kind to have on your trucks.

Another maker's experience in next month's issue

U. S. Truck With Schwarz Wheels

PATENTED

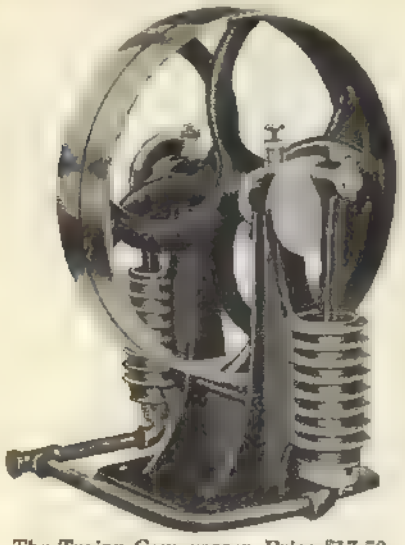
The SCHWARZ WHEEL CO.

Frankford, Philadelphia, Pennsylvania

The Trojan No. 1 Air Compressor

The Comstock Mfg. Co., Evanston, Ill., manufactures an air compressor with a capacity of 2 cu. ft. of free air per minute at 400 r.p.m. It has a 1⅝-in bore and a 2-in. stroke. The pulley is 12 in. diam. by 1½ in. wide. One-third of a horsepower is required to operate the compressor.

The bearings are large and wide and if not permitted to go dry or cut, will last for years in daily use. The cylinder is bored and reamed. The pistons have two cast-iron split rings. The cylinder head and



The Trojan Compressor, Price $17.50

valve chest are in one piece, allowing large valves. The intake valve stems project through a hole in the valve plate, permitting inspection and removal without disconnecting the discharge pipe.

The intake valves are taper-seat poppet type with long guide stems and are ground into their seats to make them air-tight. Ball type exhaust valves supported by stiff springs are used. The cooling flanges are designed for effective work and all the metal in the pump is distributed to aid in radiating heat. Marine type grease cups on the main bearings and oil cups on the cranks complete the machine

All the parts of the Trojan compressor are standard size and interchangeable. The manufacturers offer a line of differently designed compressors and pumping outfits. The net price of the Trojan stock No. 1 is $17.50.

The Moultrie County, Illinois, dealers and garage proprietors have organized the Moultrie County Garage Men's Asso. for the purpose of remedying lack of supplies, cutting prices and other evils.

Special Crystal Goggles

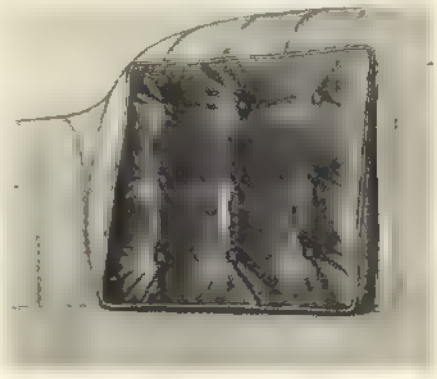
The specially constructed crystal of the new Resistal goggles is composed of two layers of optical glass having a shell of celluloid inserted between. The assembly is solidly welded together forming a unit mass This form of construction allows the crystal to be cracked and shattered without the

A New Automobile and Aviator's Goggle Featuring the "Resistal" Crystal

danger of particles or splinters of glass entering the eyes of the wearer

The celluloid insertion prevents the crystal from being entirely broken and also acts as a heat insulator, preventing the condensation of moisture on the crystal. The Resistal glass is claimed to be unscratchable, rigid and fireproof and unaffected by water, heat or cold. It possesses the strength and safety features of a celluloid goggle together with the advantages of plain glass.

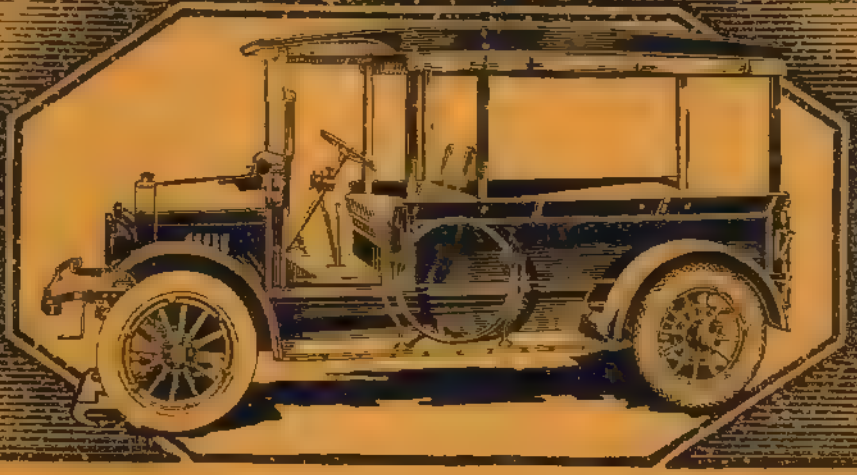
These goggles are being marketed in a variety of forms—in either flat or bent crystals, and in plain, amber or other colors —to suit the needs of the motorist. They can be obtained from Strauss & Buegeleisen, 37 Warren St,, New York City.



Automobile Cushion Adds Comfort

A tapered cushion made of black artificial leather on the front and sides and covered with a heavy black cloth at the back is being put out by W. A. Basse & Co. 2709 W Lake St., Chicago, Ill. This back rest cushion affords a comfortable reclining position and aids in reaching and exerting more pressure on the pedals. It is 15 x 16 in. in size and tapers from 4½ to ¼ in. The shipping weight is about 18 lb.

$815 Complete—a Year to Pay



Service that Makes You Money or Costs You Money—?

The automobile dealer sees the splendid opportunity in merchandise delivery equipment—but he has hesitated for fear of the *car*.

His judgment of mechanical values tells him that the *converted pleasure car is a doubtful quantity*—that a delivery truck is liable to cost him his good-will (besides cold cash)—*unless* it is designed with a thorough knowledge of the businesses it must serve—is mechanically right—and has a backing of *actual performance*.

Take the Vim Delivery Car with its record of more than three years' money saving service to the merchants of America. Not only has the Vim been designed on a knowledge of the actual delivery needs of a hundred lines of business—*it has been designed with a knowledge of the service demands the dealer has to meet*.

That means a car that is as mechanically perfect as it can be made—oversize parts—the best materials—simplicity of design from radiator to rear axle.

That means a car that is right when the customer gets it—and *stays right*. A car that will make good-will and *save cash* in the dealer's service department. A car on which the dealer can *afford* to offer service—the Vim Delivery Car.

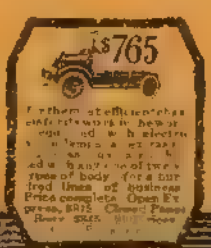
Ask any Vim Dealer.

VIM MOTOR TRUCK COMPANY, Philadelphia

765 Sales and Service Stations in the United States

24,000 Merchants have VIM Delivery Cars

VIM



Our Deferred Payment Plan should interest every live merchant in America

DELIVERY CAR

ZENITH

STOPS THE WASTE

Automatically adapting itself to every change of power requirement and atmospheric condition, the simple, troubleproof, no-adjustment ZENITH gives pre-measured results with a minimum use of fuel.

The "Compound Nozzle" of the ZENITH solves once for all the problem of flexibility of the motor operating at high or low speed, in the valley or at the highest altitude.

The fingers of the amateur cannot throw it out of tune and waste fuel, because the ZENITH fixed adjustments are built into the carburetor—away from temptation.

This fact is vital in our country's present need for fuel conservation.

ZENITH CARBURETOR CO.

NEW YORK DETROIT CHICAGO

WALLIS TRACTOR COMPANY
WALLIS
RACINE, WIS. U.S.A.

The WALLIS CUB JUNIOR

—A Triumph in Tractor Construction

Wallis tractors are fit to take their place beside the finest motor car. They are modern in design and construction in every respect and embody all of those features that make for great power, maximum durability, light weight, extreme simplicity and utmost accessibility.

Specifications

Motor: 4-cylinder, 4-cycle, valve-in-the-head, cast en bloc with removable sleeves
Size: 4¼ bore x 5½ stroke
R. P. M.: 900 normal.
Motor Brake: Horsepower, 30.
Motor Belt: Horsepower, 20.
Motor Draw Bar: Horsepower, 15.
Lubrication: Automatic circulating and splash
Ignition: High-tension magneto with impulse starter.
Transmission: 2 speeds forward and reverse sliding gear selective type
Bearings: Hyatt high duty throughout, including drive wheels and front wheels, 13 Hyatts in all
Gears: Every gear drop-forged, heat-treated, case-hardened and cut to .001", all running in oil bath.
Radiator: Enclosed cellular
Rear Axles: 3" diameter, heat-treated.
Drive Wheels: 4 ft. diameter, 12" face.
Front Wheels: 30" diameter, 8" face.
Wheelbase: 8 ft., 4"
Total width: 5 ft
Height Over All: 5 ft. 4"
Length Over All: 11 ft. 7"
Fuel Tank: 22 gallons capacity
Weight: 3000 lbs

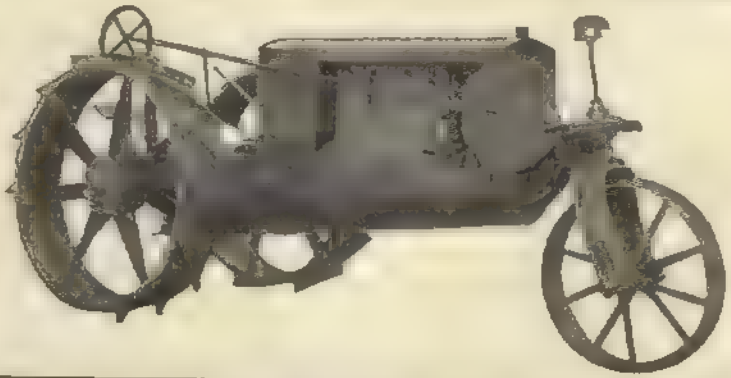
In Wallis Tractors are incorporated alloy steels, Hyatt roller bearings, steel castings, drop forgings, heat-treated cut gears, four-cylinder motors, sliding-gear selective transmissions, spring mounting, and other features that stand for the highest efficiency.

The Wallis Cub Junior has been designed not to take the place of the big tractor, but for the smaller farm that has not enough work to require a more powerful tractor. Its construction is rugged, compact and simple. It is very easy to handle, being driven like an automobile. It has the greatest drawbar pull for its weight of any tractor on the market.

The Automobile Dealer's Opportunity

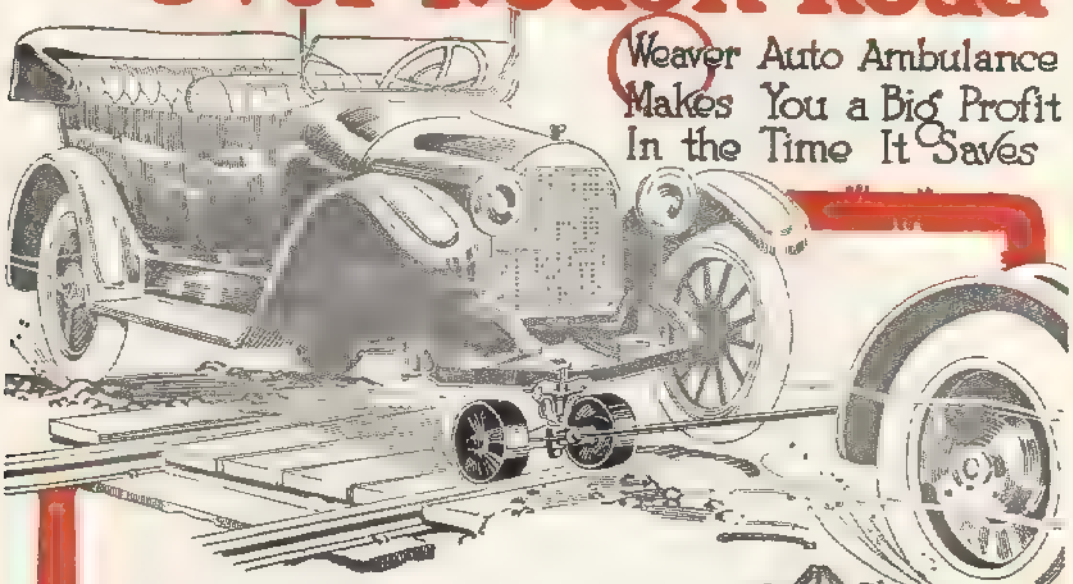
The automobile dealer who is ever on the alert to add to the volume of his sales will appreciate the immense opportunity offered by the Wallis Cub Junior. It represents a tremendous sales possibility with no additional sales force. To leading automobile dealers we have a sales plan of unusual interest to offer. We solicit correspondence concerning it.

Wallis Tractor Co., Racine, Wis.



"25 Miles Per Hour Over Rough Road"

Weaver Auto Ambulance Makes You a Big Profit In the Time It Saves



You know that the only way to make money hauling in wrecked cars is to do it quickly and with as little labor as possible. That is why the

WEAVER Auto Ambulance

is just as necessary to your garage as a front door. We have built it to meet just the conditions you are up against.

The Weaver Auto Ambulance is scientifically designed and constructed by skilled mechanics who have made a study of the requirements of this particular service.

It is full roller bearing, so that heavy loads can be towed with least possible energy—its rugged construction and secure clamping mechanism enable cars to be towed over rough roads at 15 to 25 miles per hour.

It can be securely attached to either front or rear axle of the car—one man can drive it into your service car, run out to the wreck and make the "tow-in" alone.

It is the *efficiency* of our Ambulance, resulting from its proper design and construction, which enables it to pay for itself in a few trips.

Send for complete Weaver catalog TODAY—NOW this minute. It is full of money makers for the live garageman. Ask for booklet 731

Weaver Manufacturing Company
2169-79 S. Ninth St., Springfield, Ill.

Auto Ambulance
List Price $30

Weaver 20-Ton Press
$66.00

Weaver Auto Twin Jacks
Two for $20.00

WEAVER Garage Equipment

TORBENSEN INTERNAL GEAR TRUCK DRIVE

This DRIVE Makes TRUCK Sales Easier—

Magazines and technical publications have been hammering home the importance of the rear axle drive.

They tell of the terrific work the rear axle must do; of the strain it must withstand; how it carries 80% of a truck's load—in addition to the burden of driving.

Truck buyers know the importance of the rear axle now. They buy trucks carefully—and pay lots of attention to the type of rear axle.

Statistics prove that most of these shrewd buyers demand internal-gear drive—and that, by far, most of the internal-gear drives now being used are Torbensens.

Torbensen prestige has been fifteen years in the making—fifteen years of perfect, reliable rear axle performance.

Torbensen Drive is an immeasurable help in selling trucks. Take advantage of its leadership and of the national advertising that is putting it squarely on the map.

Write today for an instructive booklet on Torbensen Drive.

The Torbensen Axle Co.
Cleveland, Ohio

A great advertising campaign—now running in the following powerful publications—is telling truck buyers the Torbensen story:

	Circulation
The Saturday Evening Post	1,878,084
Literary Digest . . .	650,000
Collier's Weekly. .	900,875
Leslie's Weekly.	406,348
Life	125,806
Scientific American	71,611
Motor.	34,931

Torbensen Drive is made to last. Every owner gets a GOLD BOND GUARANTEE that the I-Beam Axle and spindles will last as long as the truck and the internal gears at least two years.

Largest Builders in the World of Rear Axles for Motor Trucks

DO YOU HEAR

the UTILITY KID signaling you to go ahead and get

UTILITY VARNISH RENOVATOR

ONE OF THE REASONS

The Particular Auto Owner

Uses, Utility
Values, Varnish
Requests, Renovator

It is guaranteed not to injure any varnish finish on which it is used.

The best sales proposition of the year for jobbers and dealers. A business increaser and a money maker. Write for it.

LIST PRICES:

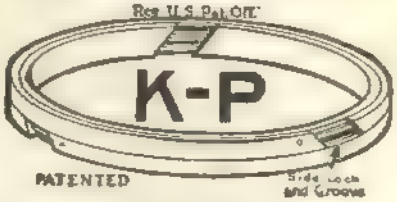
4 Ounces, bottles, 25c — Quarts, tin, $1.00
12 Ounces, bottles, 50c — Gallons, tin, $3.00
Sprayer, 25c

POUGHKEEPSIE UTILITIES CORP.

46 Winnikee Ave. POUGHKEEPSIE, NEW YORK

K-P

the piston ring you should sell



Gives more power—uses less gas.

It's the only three-piece ring with the side-lock and groove to hold the pieces together as a unit.

It's a ring that fits the piston-groove perfectly.

It has equal bearing on every point of the cylinder wall.

It performs all the functions of a piston ring in the way they should be performed.

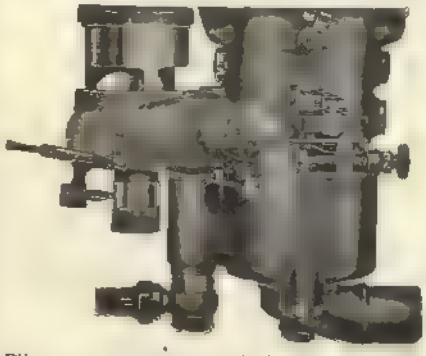
It's the ring that gives real satisfaction.

Our Dealer Offer Will Strike You Right

Keys Piston Ring Co.
3016 Olive St. St. Louis, Mo.

Different! Better!

WEBBER Automatic Carburetor



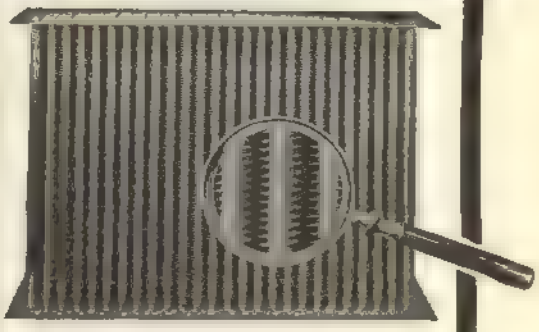
When your customers get tired of fooling with inefficient carburetors and want one that is a real producer of results—sell them the WEBBER.

It will give more power from less gas, automatically provide the right mixture at all times and give the most efficient and economical carburetion it is possible to obtain. Ask us to tell you why, and the details of our dealers' offer.

Webber Mfg. Co. 66-68 Stanhope St. BOSTON, MASS.

"Radiator Insurance"

Seamless Copper Helical Tube Cooling Sections



Are Guaranteed for the Life of the Motor on Which They are Installed

Helical Tube Construction is Accepted as the Best by the Leading Truck Makers of America

Manufactured only by
[illegible] Radiator Company
Rome, New York.

BIG, EASY SALES

The spectacular demand for Locktite Tire Patch [illegible] easy sales and quick turnover for you. Your profit is 100% and on a cash investment of [illegible]

Any size or any size cut or tear. No tools or heat necessary. Cut off size desired, stick it on like court plaster

LOCKTITE
TIRE PATCH

Guaranteed not to leak, pull loose or burn off 4 sizes $1.50, $1.00, 60c and 40c size.

Get our liberal dealers proposition. Begin pushing Locktite now for quick sales, easy profits. Big demand is big. Write or wire for particulars

LOCKTITE PATCH COMPANY
1028 Bellevue Ave., Detroit, Mich.

Big Profits in H-B Battery Charging

H-B Battery Chargers are making **$20 to $60 a month extra profit** for H-B owners everywhere. One garage cleared $139.50 the first month. You too can make **big profits.**

The H-B Charger is a full 500 Watt equipment, guaranteeing quick charging and quick profits. City current operates or belt-driven equipment can be furnished. Recharges one to seven batteries at one time, at cost of 12c to 15c per battery. Customer pays 75c to $1.50. At least $4.50 profit each capacity run

$15 Puts This Money-Maker In Your Garage

Balance in 8 monthly payments of $20 each. Machine quickly pays for itself and makes good profit besides. Tear off this ad and mail for further particulars or send $15 initial payment with trial order. Money back guarantee. Don't wait. Do it today

HOBART BROTHERS COMPANY
Box 110 Troy Ohio

"Free Air" Supplied by

MAYO ELECTRIC GARAGE PUMP

is one of the least expensive forms of service you can furnish. It is an investment that pays big returns. The above illustrated outfit meets the requirements of garages, repair shops and service stations where a large amount of compressed air is used. It is installed in a few minutes, leaves the pump permanently located in one place, where customers can always find it.

Operated by 1 H.P. electric motor with belt drive. Air tank. Automatic auxiliary tank pressure system. Complete with 10 ft. flexible wire reinforced rubber tubing, pressure gauge, heavy duty air chuck and hose nozzle. In order to state whether alternating or direct current, 110 or 220 voltage motor is required. Write to-day for complete details.

Mayo-Skinner Manufacturing Co.
2115 Elston Avenue, Chicago

U.S.
BALL BEARINGS

AN enormous "unit" plant — equipped with new machinery of the latest pattern—with a capacity of 10,000 quality bearings a day —insures prompt delivery of the largest orders without the slightest lowering of our extremely high standard of quality.

U.S. Ball Bearing Mfg. Co.
(CONTAIN PATENT LICENSES)
Chicago /// Illinois

A 1000 lb. Delivery Chassis for $67.50

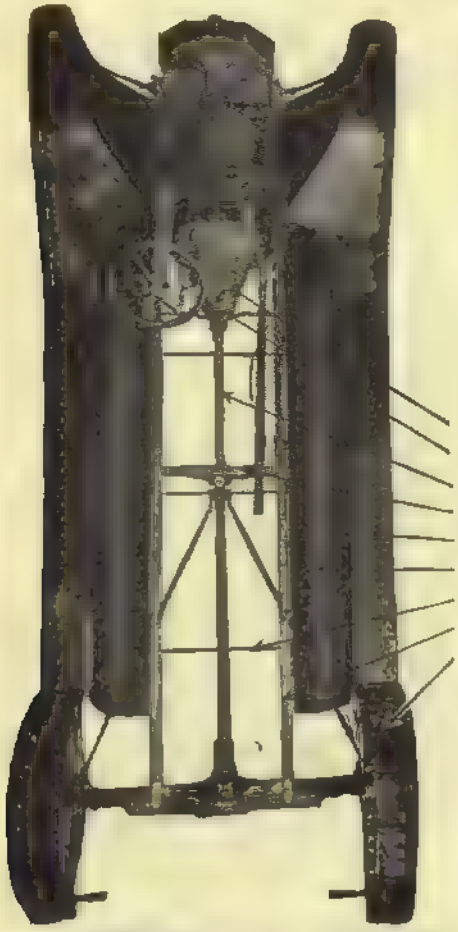
Plus a Ford Chassis

Dealers: Get your share of the business now going to the agents for half-ton trucks.

Any Ford can be quickly changed into a good, substantial 1,000 lb. delivery car by the

XTEND-A-FORD

Trade-Mark



An outfit for extending a FORD chassis to 115 or 130 inches as desired

115" Outfit Complete - - $67.50
130" Outfit Complete - - 75.00

Special bodies carried in stock

Complete Outfit Consists of

Stud shaft to connect propeller shaft to transmission (inside of transmission case).
Bearing plate for end of transmission.
Propeller shaft extension with universal joint.
Cross frame member to support front end of rear construction.
Running boards of required length.
Running board aprons of required length.
Extra running board truss rod.
Right and left frame extensions.
Two rear commercial fenders.
Extension for brake rods
All necessary bolts and nuts

IMMEDIATE DELIVERIES!!

Write for Trade Discounts

Special proposition offered State distributors

XTEND-A-FORD COMPANY 1610 GLENWOOD AVE. PHILADELPHIA

Westinghouse

Pick the One

starting and lighting system for Ford cars, the system you can feel safe in selling with no "comeback" from your customers.

With the coming of bad weather, all Ford owners will be particularly interested in the ease with which a touch of the foot will start the car, as if a giant hand were pushing it from behind.

The name Westinghouse is internationally famous. It is a guarantee of quality and satisfactory performance. It gives to a Ford "electrical satisfaction" enjoyed by the highest priced cars. This is a powerful selling point.

Especially liberal discounts to progressive dealers you are one. Send a postal today and get the money-making discounts.

$85.00
Complete

MP Service

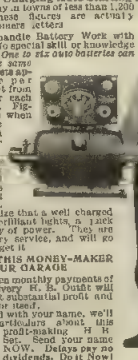
MOTOR PARTS CO.
820 N. Broad St.
Philadelphia
Boston Buffalo
Springfield

"My Biggest Money-Maker—H. B. Battery Charger"

$30.00 to $60.00 profit *each month* is being cleared by H. B Users Charging Auto Starting and Lighting Batteries. Many in towns of less than 1,200 population These figures are actually taken from customers letters

Any one can handle Battery Work with the H B Set No special skill or knowledge being required. *One to six auto batteries can be charged at the same time.* Current costs approximately 15c per battery. You get from 75c to $1.00 for each battery charged. Figure your profits when you can charge six batteries each run of the generator.

Every auto owner needs a full charge outside the car *at least once a month.* Car owners realize that a well charged battery means brilliant lights, a quick start, and plenty of power. They are asking for battery service, and will go where they can get it



$10.00 PLACES THIS MONEY-MAKER IN YOUR GARAGE

The balance in ten monthly payments of $14.00 each. Every H. B. Outfit will show you a most substantial profit and will be paying for itself.

Send us this ad with your name, we'll gladly send particulars about this profit-making H B Set. Send your name NOW. Delays pay no dividends. Do it Now!

HB

HOBART BROS. COMPANY
Box 14 TROY, OHIO

"Grip-Tite" Style 4827

Need Gloves?

Don't waltz into any store and just ask for "a pair of gloves."

That's the way Grandpa used to do.

Now-a-days we know what we want beforehand—and *that* we get out into the store.

Motorists are for the most part specifying "Grinnell Gloves." Ask to see "Rist-Fit," "Grip-Tite," "Jump-Kuff," "Ventilited-Back," etc. *900 styles*—all prices—with some clever, exclusive features. That's why! Won't you, too, say

Grinnell Gloves

Glove book free

Morrison-Ricker Mfg. Company,
(Est. 1876)
70 Broad St., Grinnell, Iowa

CONSIDER THESE FACTS!

More Carter Carburetors were sold during 1916 than in any other year.

The Gasoline sold during 1916 was poorer in quality than ever before.

Fuel is broken up into minute particles by the multiple jets. Result—better vaporization and consequently more power and greater economy.

A range of from one to eighteen jets provides the correct quantity of gasoline for each of the many engine speeds. Result—elimination of waste (greater economy) and wonderful flexibility.

And the automatic priming device insures easy starting in cold weather.

We are not increasing our list prices, or reducing our discount to dealers and jobbers for 1917.

Large profits for dealers, service stations and distributors.

Write for particulars

CARTER CARBURETOR CO.
ST. LOUIS, MO.

GASOLINE FILLING STATIONS, ATTENTION!

EQUIP YOUR PUMP WITH

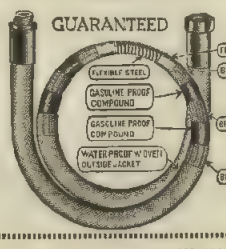
EVERLASTING GASOLINE HOSE

AND STOP THAT LEAK

In purchasing Everlasting Hose you get guaranteed service and satisfaction. Note the illustration! See the steel core covered with two plys of gasoline-proof compound, protected by a heavy woven cotton jacket. The genuine Everlasting has one year guarantee tag attached. Say **Everlasting**, not just gasoline hose.

Made in two sizes, ¾" and 1¼". Sold in standard lengths by all Jobbers

Chicago Tubing and Braiding Co.
CHICAGO, ILL.



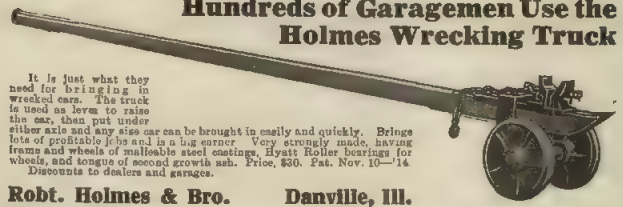
AUTOMOBILE
Body Sheets

ALSO MATERIAL FOR FENDERS, GUARDS, HOODS, ETC.

"THURITE" Deep Drawing Stock—the highest quality and most ductile steel sheet on the market today. We manufacture Black Sheets of every description, Enameling and Japanning Stocks, Apollo-Keystone Copper Steel Galvanized Sheets, Roofing Products, Terne Plates, Etc.

AMERICAN SHEET AND TIN PLATE COMPANY, General Offices: Frick Bldg., Pittsburgh, Pa.

Hundreds of Garagemen Use the Holmes Wrecking Truck



It is just what they need for bringing in wrecked cars. The truck is used as lever to raise the car, then put under either axle and any size car can be brought in easily and quickly. Brings lots of profitable jobs and is a big earner. Very strongly made, having frame and wheels of malleable steel castings, Hyatt Roller bearings for wheels, and tongue of second growth ash. Price, $30. Pat. Nov. 10—'14. Discounts to dealers and garages.

Robt. Holmes & Bro. **Danville, Ill.**

SPICER UNIVERSAL JOINTS

Universally Accepted as the Most Dependable Flexible Connection Known to Motor Car Practice

GREASE-TIGHT—DUST-PROOF—PARTS INTERCHANGEABLE

SPICER MFG. CO., South Plainfield, N. J.

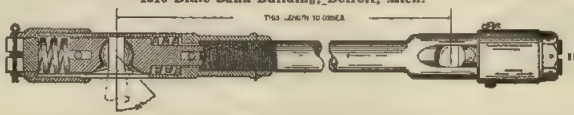
SALES REPRESENTATIVES:
L. D. Bolton, 2215 Dime Savings Bank Bldg., Detroit
FOREIGN: Benjamin Whittaker, 21 State Street, New York

A Steering Drag Link for Every Car

Whether your product be a two passenger light car or a five ton truck, we can meet your requirements. Ten years of continuous success making this part, insures quality. A new plant, modern equipment and skilled workmen insure service.

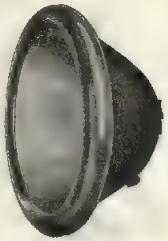
Your specifications for quotations will receive immediate attention at either

The Cincinnati Ball Crank Company - Cincinnati, Ohio
1316 Dime Bank Building, Detroit, Mich.



LAMPS

ELECTRIC HEAD LAMPS



Outside focusing bulb and stationary reflector, rolled door fitted with latest push button lock. Reflector is parabola shaped; highly polished and fastened with cord in place, so that it is dust and rattle-proof. Body drawn from one piece of steel with two coats of enamel baked on. Regularly furnished with 15 c.p., 6 volt Mazda bulbs. Distance between props 7½ in. diameter, prop hole ⅛ in., outside diameter of door 10 in., inside diameter door 7¾ in., extreme length 5 in.

No. 601-A

No.	Wt. per pair	Per pair
601A	10 lbs	**$8.00**

FORD HEADLIGHTS

Special single bracket support, parabola reflector. Has cord gasket fastened to rim, insuring lamp against rattle or dust. Outside type focusing device. Double contact only Outside diameter 9 inches. Black finish.

No.	Wt. per pair	Pair
325	9 lbs	**$6.00**

No. 325

ELECTRIC SIDE LAMPS

No. 370

A medium priced side lamp designed for use on all cars. Has hexagon shaped door and parabola reflector, highly polished. Furnished with 4 c. p., 6 volt Mazda lamps.

No.	Wt. per pair	Per pair
370	2½ lbs	**$6.00**

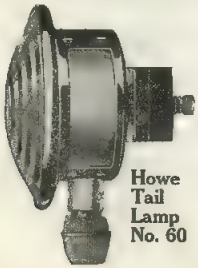
OIL SIDE LAMPS

Body drawn from one piece of sheet steel, no solder. All parts securely riveted. Especially adapted to light trucks having side connections. Prop made for round or flat brackets.

No.	Wt. per pair	Per pair
142	5 lbs.	**$6.00**

No. 442

ELECTRIC TAIL LAMPS



Has removable lens and is fitted with a 2 c. p. Mazda bulb. Fitted with a combination round and flat prop for fastening to the car. 3¾ in. lens.

No.	Wt. each	Each
60	¾ lb.	**$1.25**

OIL TAIL LAMPS

No. 443

Substantially built, lined oil lamp. Body drawn from single piece of sheet steel. All parts riveted, no solder used in construction. Crystal lens in the side illuminates the license number. Furnished with combination round and flat prop.

No.	Wt each	Each
443	2¾ lbs.	**$2.50**

All above one in corrugated cardboard box, securely packed

ELECTRIC TAIL LAMPS

No. 361

A well made Tail Lamp, with removable lens, front diameter 3¾ inches, ruby semaphore lens 3½ inches. Each lamp is equipped with 2 candle power Tungsten bulb, Ediswan base, either double or single wiring system.

Each $1 35

No. 369 Ford

Same identical lamp as No. Model No. 361, same construction, except that it has the special bolt fastener for 1915-1916 Ford cars

Each $1 35

No. 364

Combination tail lamp and license holder, substantially made. Red lens 3½ inch diameter, extreme length 10¼ inches. Each lamp is equipped with 2 candle power Tungsten bulb, Ediswan base, either double or single wiring system

Each $1 50

OIL TAIL LAMPS

No. 450

Round type. A good, serviceable Lamp. Extreme height 9 inches, diameter of door 4 inches, diameter of ruby lens 2¼ inches.

Each $2 00

No. 441

Round type Oil Lamp. This is the same lamp as used regularly on 1916 Ford cars and is furnished only with the special bolt fastener. Extreme height 9¼ inches, diameter of door or ruby semaphore 4⅝ inches. Crystal lens in side for illuminating license number

Each $2 25

OIL SIDE LAMPS

No. 456

Round type Oil Lamp. Extreme height 9¾ inches, diameter of door 4 inches, crystal semaphore 3 inches in diameter in door.

Per Pair $5 00

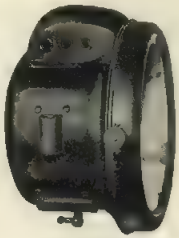
GAS HEAD LAMPS

No. 401F

No. **401F.** Same lamp as Model No. 401, except that it is furnished complete with bracket for attaching to the 1915-1916 Ford cars ....Per Pair $8 50

No. 401

No. **401.** A well made Gas Lamp, equipped with a 6 inch genuine Mangin mirror. Has front diameter of 9 inches, distance between props 7 inches ...Pair $8 00



No. 402

No. **402.** A high grade Gas Lamp, suitable for use on high grade cars. Equipped only with genuine Mangin mirrors, ground and polished. Front diameter 10 inches, distance between props 8 inches ..... Per Pair $9 00

SPOT LIGHTS

Old Sol No. 77

Old Sol Nitrojector No. 100

Stewart

No. 77 **Old Sol.** Is constructed to send light beams in every desired direction. 6 inch diameter ..... Each $5 00

No. 100 **Old Sol Nitrojector.** The only Spotlight with double control and no glare device. 8 inch body, 4 inch adjustable mirrorscope..... Each 10 00

No. 1—**Stewart V-Ray Searchlight** is moisture and dust proof. It comes complete with mirror electric cord and bracket which fit practically every car ..... Each 7 50

ELECTRIC SIDE LAMPS

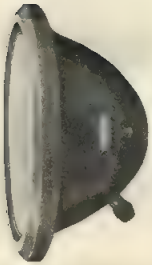
No. 370

No. 372

No. 370. 3¼ inch diameter 4 candle power, 6-volt Tungsten bulbs, double contact, black enameled Per Pair..... $5 00

No. 372. Same as above except has special fastener for 1915 10 17 Ford ..... Per Pair 5 00

ELECTRIC HEADLIGHTS



Nos. 315 and 316

Nos. 318 and 319

No. 323

No. 325

Models 315 and 316

Hexagon door type Headlight, same general construction as Models 319 and 318.

No. 315. Diameter of door 10⅛ inches, 7 inches between props ..... Per Pair $7 50

No. 316. Diameter of door 11⅝ inches, 8 inches between props ..... Per Pair 9 50

Models 319 and 318

Rolled door type. Headlight, parabola shape, body drawn in one piece from heavy gauge steel with three coats enamel baked on. Highly polished parabola reflector. Door fastened with latest type bayonet lock, no hinges. Latest style focusing device operated from the front. Fitted with 15 candle power, 6 volt Mazda bulbs, double wire system, unless otherwise ordered. Can be furnished with double, or dimmer, bulbs on special orders.

No. 318. Diameter of door 10 inches, 7 inches between props ..... Per Pair $7 50

No. 319. Diameter of door 11⅝ inches, 8 inches between props ..... Per Pair 9 50

Model 323

Round door type Headlight, parabola shape, same general construction as Models No. 315 and No. 316. Has outside focusing device adjusted from the rear. This lamp is especially suitable for Ford cars and is equipped with 15 candle power, 9 volt Mazda bulbs, double wiring system only.

No. 323. Diameter of door 9 inches, 7 inches between props ..... Per Pair $7 50

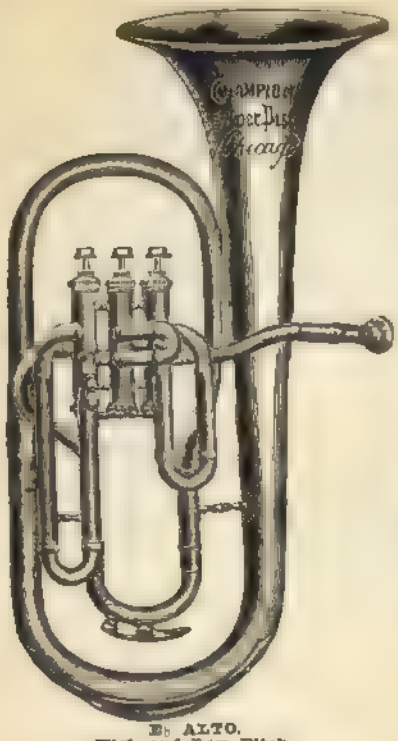
Model 325

Same identical lamp as Model 323, except that it is equipped with the special one bracket support for use on 1917 1916 Ford cars. Furnished only with 9 volt 15 candle power Mazda bulbs, double wiring system only.

No. 325. Price ..... Per Pair $7 50

Fine Band Instruments

Light Action, Silver Piston, American model, valve tops and buttons, with water keys, music rack and German silver mouth piece.



B♭ ALTO.
High and Low Pitch.

No.		Each
4042	Brass	$ 58.10
4052	Brass, nickel plated	82.85
4042½	Brass, silver plated, satin finish	81.15
4052½	Brass, silver plated, burnished	106.40

SOLO E♭ ALTO.
High and Low Pitch.

4242	Brass	$ 55.90
4252	Brass, nickel plated	82.85
4242½	Brass, silver plated, satin finished	81.15
4252½	Brass, silver plated, burnished	106.40

B♭ TENOR.
High and Low Pitch.

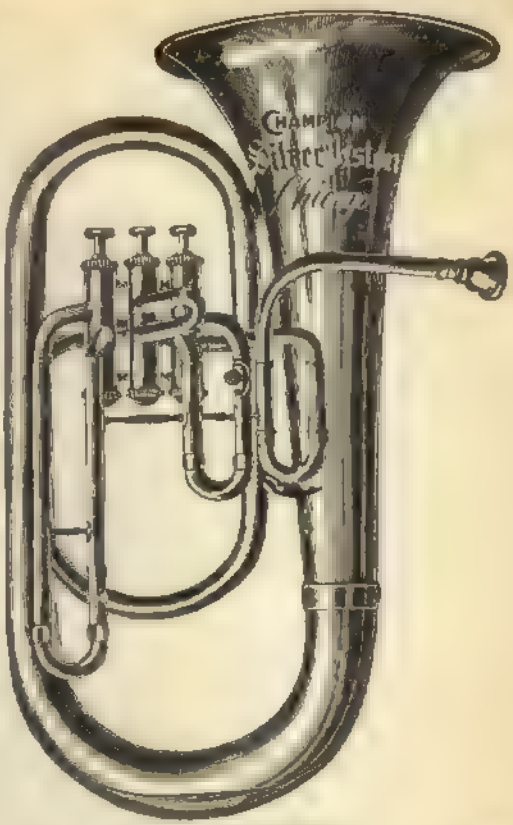
4062	Brass	$ 64.30
4072	Brass, nickel plated	72.75
4062½	Brass, silver plated, satin finish	96.80
4072½	Brass, silver plated, burnished	114.80

TENOR IN C OR B♭.

4322	Brass	75.90
4332	Brass, nickel plated	84.30
4322½	Brass, silver plated satin finish	105.35
4332½	Brass, silver plated burnished	126.40

CONCERT HORN OR MELLOPHONE IN F, WITH CROOKS TO E, D, AND C.
High and Low Pitch.

No.		Each
4362	Brass	$ 86.00
4372	Brass, nickel plated	95.90
4362½	Brass, silver plated, satin finish	118.00
4372½	Brass, silver plated, burnished	136.90



B♭ BARITONE.
High and Low Pitch.

No.		Each
4082	Brass	$ 73.40
4092	Brass, nickel plated	82.85
4082½	Brass, silver plated, satin finish	107.03
4092½	Brass, silver plated, burnished	132.30

B♭ BASS. High and Low Pitch.

4102	Brass	$ 85.70
4112	Brass, nickel plated	98.25
4102½	Brass, silver plated, satin finish	127.80
4112½	Brass, silver plated, burnished	153.00

E♭ BASS. High and Low Pitch.

4122	Brass	$118.70
4132	Brass, nickel plated	133.00
4122½	Brass, silver plated, satin finish	169.20
4132½	Brass, silver plated, burnished	207.10

E♭ CONTRA BASS. High and Low Pitch.

4142	Brass	$134.00
4152	Brass, nickel plated	155.00
4142½	Brass, silver plated, satin finish	203.40
4152½	Brass, silver plated, burnished	235.00

B♭ HELICON BASS. High and Low Pitch.

4162	Brass	$176.05
4172	Brass, nickel plated	197.10
4162½	Brass, silver plated, satin finish	245.50
4172½	Brass, silver plated, burnished	277.05

Slide Trombone

With Water Keys, German Silver Mouthpieces and Music Racks.
SIDE TROMBONES.
B♭ ALTO HIGH AND LOW PITCH.

No.		Each
12682	B♭ Alto, brass	$42.95
12692	B♭ Alto, brass, nickel plated	50.20
12682½	B♭ Alto, brass, silver plated, satin finish	62.85
12692½	B♭ Alto, brass, silver plated, burnished	71.25

B♭ TENOR HIGH AND LOW PITCH.

12642	B♭ Tenor, brass	$36.20
12652	B♭ Tenor, brass, nickel plated	42.25
12642½	B♭ Tenor, brass, silver plated, satin finish	55.90
12652½	B♭ Tenor, brass, silver plated, burnished	64.30

B♭ TENOR HIGH AND LOW PITCH.
Better Quality.

No.		Each
12662	B♭ Tenor, brass	$43.90
12672	B♭ Tenor, brass, nickel plated	50.20
12662½	B♭ Tenor, brass, silver plated, satin finish	62.85
12672½	B♭ Tenor, brass, silver plated, burnished	71.25

B♭ BARITONE HIGH AND LOW PITCH.

No.		Each
12702	B♭ Baritone, brass	$43.90
12712	B♭ Baritone, brass, nickel plated	50.20
12702½	B♭ Baritone, brass, silver plated, satin finish	63.90
12712½	B♭ Baritone, brass, silver plated, burnished	73.40

THE "IMPROVED" BEAU IDEAL
EXTRA QUALITY, HIGHLY ORNAMENTED.
With Figured Metal and Engraved Water Keys Music Racks and German Silver Mouthpieces
B♭ TENOR HIGH AND LOW PITCH.

No.		Each
14662	B♭ Tenor, brass	$ 67.70
14672	B♭ Tenor, brass, nickel plated	74.00
14662½	B♭ Tenor, brass, silver plated, satin finish	87.70
14672½	B♭ Tenor, brass, silver plated, burnished	96.10
14672¼	B♭ Tenor, brass, silver plated, burnished, bell plated bell and the very best	114.00

E♭ ALTO TROMBONE.
High and Low Pitch.

No.		Each
4222	Brass	$ 55.90
4232	Brass, nickel plated	62.85
4222½	Brass, silver plated, satin finish	81.15
4232½	Brass, silver plated, burnished	100.40

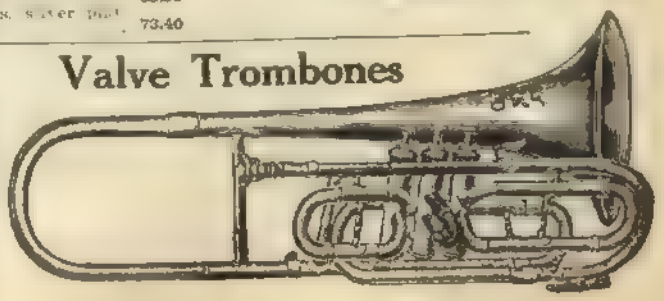
B♭ TENOR TROMBONE. High and Low Pitch.

4202	Brass	$ 64.30
4212	Brass, nickel plated	72.75
4202½	Brass, silver plated, satin finish	93.80
4212½	Brass, silver plated, burnished	114.80

B♭ BARITONE TROMBONE. High and Low Pitch.

4262	Brass	$ 71.50
4272	Brass, nickel plated	82.35
4262½	Brass, silver plated, satin finish	118.00
4272½	Brass, silver plated, burnished	132.30

Valve Trombones

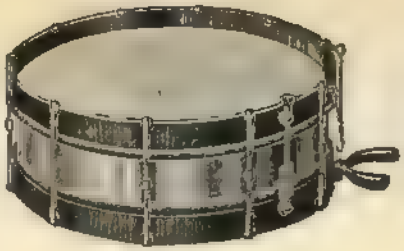


Drums

BAND DRUMS—PRUSSIAN PATTERN.

Maple Hoops Ebonized or Imitation Rosewood Finish. Waterproof Snares. White Metal Plated Rods and Trimmings. Fine Finished Rosewood Sticks.

No.		Each
1052½	14-inch maple shell, 6 inches high, 7 rods, 6 waterproof snares, 1 calfskin head	$29.20
1102	15-inch maple shell, 3 inches high, 7 nickel plated rods, 8 snares, 2 calfskin heads	34.35
2152	16-inch maple shell, 3 inches high, 8 rods, 8 waterproof snares, 2 calfskin heads	37.40
1152	16-inch maple shell, 6 inches high, 8 rods, 8 waterproof snares, 2 calfskin heads	33.40
5152	16-inch brass shell, 6 inches high, 8 rods, 8 waterproof snares, 2 calfskin heads	37.40
6152	16-inch brass shell, nickel plated same description as No. 5152	40.80
7152	16-inch white metal plated shell, 6 inches high, 8 rods, 8 waterproof snares, snare strainer and knee rest, 2 calfskin and 1 sheepskin head, maple hoops, natural color	21.85
7162	Same as No. 7152, but shell 4 inches high	21.85



NEW DEPARTURE ORCHESTRA DRUM.

New Style New Departure Rods. Double Acting Folding Knee Rest on 16-inch Drums. Hoops Finely Varnished. Hand Rubbed Finish. All Parts Perfectly Fitted. Shells will not warp.

No.		Each
2092	14-inch maple shell, 3 inches high, rosewood finished hoops, finely varnished throughout, 10 nickel plated N. P. L. & H. thumb rods, 8 snares, 8 inch waterproof snares, porpoise heads, for orchestra use	$42.25
01112	16-inch maple shell, 4 inches high hoops made of contrasting woods, fine varnish finish, 10 rods nickel plated hooks and thumb screws, 8 waterproof snares, 2 calfskin heads	42.90
06122	16-inch, nickel plated shell, 4 inches high hoops made of contrasting woods, fine varnish finish, 10 rods nickel plated hooks and thumb screws, 8 waterproof snares, 2 calfskin heads	49.20

PROFESSIONAL MODEL ORCHESTRA DRUMS.

Fitted with "New Pattern" Thumb Rods. Professional Model, Rosewood Sticks.

No.		Each
01182	14-inch maple shell, 3 inches high, 8 new pattern thumb rods, 8 waterproof snares, 2 calf heads	$39.95
07782	16-inch maple shell, 4 inches high, 10 new pattern thumb rods, 8 waterproof snares, 2 calf heads	48.34
02182	14-inch maple shell, 3 inches high, maple hoops, natural color, 10 N. P. L. & H. thumb rods, 12 silk waterproof snares, 2 calfskin heads	48.40
02192	16-inch maple shell, 3 inches high, maple hoops, natural color, 10 N. P. L. & H. thumb rods, 12 silk waterproof snares, 2 calfskin heads	48.40
03082	14-inch brass shell, 3 inches high, with chased, dull finish walnut veneered hoops, 14 N. P. L. & H. thumb rods, 12 waterproof snares, porpoise heads	59.70
03182	16-inch nickel shell, 3 inches high, maple hoops, natural color, 10 N. P. L. & H. thumb rods, 12 waterproof snares, porpoise heads	61.20
04182	16-inch rosewood shell, 3 inches high, same as 03182	61.85
07682	16-inch oak shell, 3 inches high, oak veneer hoops, 12 L. & H. thumb rods, nickel plated hand polished, 12 silk waterproof snares, porpoise heads	57.60
03182	16-inch walnut shell, 4 inches high, walnut veneer hoops, 12 N. P. L. & H. thumb rods, hand polished, 12 silk waterproof snares, porpoise heads	57.60
01682	14-inch solid maple shell, 3 inches high, maple hoops, natural color, 10 L. & H. Thumb rods, nickel plated, hand polished, 12 silk waterproof snares, porpoise heads	61.85
04682	14-inch solid rosewood shell, 3 inches high, same as 01682	61.85

PRUSSIAN PATTERN BASS DRUMS.

Hoops and Flesh Hoops Perfectly Fitted.

Maple Hoops with Decalcomanie Ornamentation, White Metal Plated Trimmings.
WITH CHAMOIS SKIN MEAD STICK.

Bird's Eye Maple Shell No.	Maple Shell No.		Each
13152	33152	24-inch shell, 9½ inches high, 9 rods, 2 calfskin heads	$ 54.40
13152½	33152½	24-inch shell, same description as above, with 1 calfskin and 1 sheepskin head	59.80
13252	33252	26-inch shell, 9½ inches high, 10 rods, 2 calfskin heads	66.50
13252½	33252½	26-inch shell, same description as above, with 1 calfskin and 1 sheepskin head	59.35
13352	33352	28-inch shell, 9½ inches high, 11 rods, 2 calfskin heads	74.10
13352½	33352½	28-inch shell, same description as above, with 1 calfskin and 1 sheepskin head	65.10
13452	33452	30-inch shell, 9½ inches high, 12 rods, 2 calfskin heads	77.40
13452½	33452½	30-inch shell, same description as above, with 1 calfskin and 1 sheepskin head	70.65
13552	33552	32-inch shell, 9½ inches high, 13 rods, 2 calfskin heads	87.40
13552½	33552½	32-inch shell same description as above, with 1 calfskin and 1 sheepskin head	79.20
13652	33652	34-inch shell 9½ inches high, 14 rods, 2 calfskin heads	99.75
13752	33752	36-inch shell 9½ inches high, 15 rods, 2 calfskin heads	104.80

REGULATION PATTERN SNARE DRUMS.

With new pattern snare strainer, 2 calfskin heads and maple hoops, ebonized or rosewood finish, rosewood sticks included

No.		Each
122	16-inch bird's-eye maple shell 6 inches high, cord hooks, 12 braces, 8 snares	$37.80
142	16-inch bird's-eye maple shell, 9½ inches high, cord hooks, 8 braces, 8 snares	41.85
442	16-inch rosewood shell, otherwise same as No. 142	40.80

DRUM CASES AND BAGS.

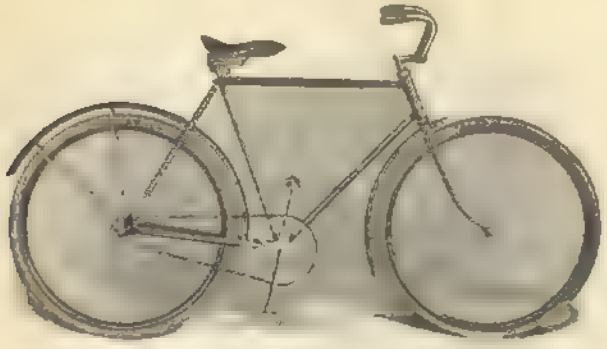
No.		Each
702	Brown canvas, patent telescopic pattern, to fit any size snare drum	$ 8.05
762	Black keratol imitation seal grain, waterproof, patent telescopic pattern to fit any size snare drum	17.70
802	Stiff canvas, leather cloth bound, fleeced flannel lined, with outside pocket for sticks and music, to fit any size snare drum	10.10
	Same as No. 802 but without pocket	8.02
602	Suit case pattern sides and ends made of wood, keratol covered, brass lock and trimmings for 14, 15 and 16-inch drums, 3 or 4 inches high	25.30

Mention size and style of drum when ordering

No.		Each
902	Black sole leather, embossed, fleeced flannel lined, to fit any size snare drum	$43.80
812	Waterproof mackintosh bag, for 16-inch regulation pattern drum	5.85
932	Waterproof mackintosh bag, for 18-inch monarch drum	6.35
942	Black, goatskin, calf finish, patent glove fasteners, to fit a drum 16x6 inches	9.50
952	Waterproof mackintosh bag, with leather straps and buckles, to fit 32-inch bass drum NOTE.—No. 902 can be made up in special sizes. Write for prices.	13.95

"Chicago" Bicycles—Highest Grade Bicycles on the Market

MODELS 1 TO 4



SPECIFICATIONS

FRAME—Shelby seamless steel tubing, 18-gauge, heavily reinforced flush joints, one piece head and reinforced pinch bolt cluster with nickeled cap, washer and nickeled hex nut and nut. Heights 20, 22 and 24 inches.

FORK—Oval drop forged crown, 18-gauge fork sides, 1-inch head stem, reamed for ¾-inch handle bar stem, machined for cap lock nut.

HANGER—Special 1 piece. Highly nickel plated and polished, with 7-inch diamond faced cranks 26 tooth 3/16-inch sprocket.

WHEELS—Hubs turned from solid bar steel. 32 spokes in front wheel, 36 spokes in rear wheel.

CHAIN—Block pattern, with blued sides and straw colored blocks 3/16-inch.

SEAT POST—Drop forged, forward L, finely nickel plated.

TIRES—Guaranteed, single tube.

SADDLE—Troxel padded top, truss spring.

HANDLE BARS—Adjustable, with expander extension stem, 22 inches wide and 8-inch drop, with leather wound grips.

PEDALS—Pirate, Rat Trap.

MUD GUARDS—Heavy corrugated, with flat braces.

COASTER BRAKE—Any standard make.

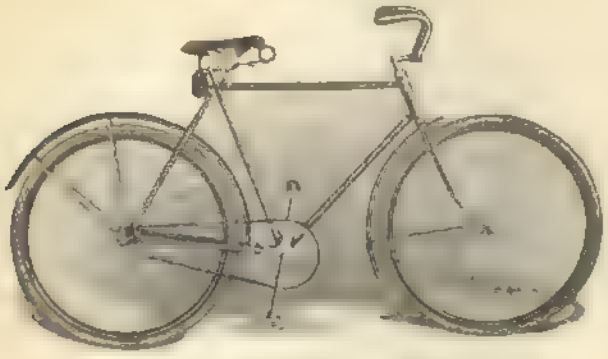
TOOL BAG AND TOOLS.

FINISH—Model No. 1. Black with double gold stripe.
Model No. 2. Cycle blue with double gold stripe.
Model No. 3. Egyptian carmine with double gold stripe.
Model No. 4. French gray with Egyptian carmine double stripe.

Price, with mud guards and coaster brake $80.34

If wanted without coaster brake, deduct $1.00.
If wanted without mud guards, deduct $3.25.
If wanted with parcel carrier, add $1.30.
If wanted with stand, add $1.08.
If wanted with clincher tires, add $15.25.

MODELS 11 TO 13



SPECIFICATIONS

FRAME—Shelby seamless steel tubing, 18-gauge, heavily reinforced flush joints, one-piece head and reinforced pinch bolt cluster with nickeled cap, washer and nickeled hex nut. Heights 20, 22 and 24 inches.

FORK—Oval drop forged crown, 18-gauge fork sides, 1-inch head stem, reamed for ¾-inch handle bar stem, machined for cap lock nut.

HANGER—Special, 1 piece. Highly nickel plated and polished, with 7-inch diamond faced cranks, 26-tooth, 3/16-inch sprocket.

WHEELS—Front hubs turned from solid bar steel, 32 spokes in front wheel, 36 in rear wheel.

BRAKE—Any standard make.

CHAIN—Block pattern, with blued sides, and straw colored blocks 3/16-inch.

SEAT POST—Drop forged, forward L, finely nickel plated.

TIRES—Goodyear Blue Streak, fully guaranteed.

SADDLE—Tip Top Double Coil Spring.

HANDLE BARS—Adjustable, with expander extension stem, 22 inches wide and 8-inch drop with leather wound grips.

PEDALS—Standard, Rat Trap.

MUD GUARDS—Heavy corrugated, with flat braces.

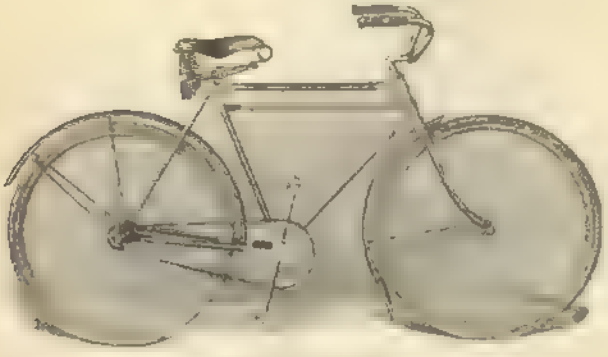
TOOL BAG AND TOOLS.

FINISH—Model No. 11. Black and green.
Model No. 12. Carmine and white.
Model No. 13. Tan and white.

Price, with coaster brake and mud guards $89.00

If wanted with parcel carrier, add $1.30.
If wanted with stand, add $1.08.
If wanted with clincher tires, add $12.42.

CHICAGO DOUBLE BAR



SPECIFICATIONS

FRAME—Double bar type, made of 1-inch 18-gauge Shelby seamless tubing with ½-inch center bar. Flush joints are carefully reinforced, making a practically indestructible frame. Seat post clusters 1-inch bolt type with nickeled hex nut and cap-washer.

FORK—Special drop forged crown, ¾-inch 18-gauge seamless fork sides, carefully curved to match frame. Has 1-inch head stem reamed to fit ¾ inch handle bar stem with flush cap lock nut.

HEAD FITTINGS—Outside cups and cones carefully hardened, 3/16-inch balls.

HANDLE BARS—Adjustable extensions, heavily nickeled, 22 inches wide, 6-inch drop.

HANGER—"One-piece," specially designed for heavy work. Has large solid cones and balls with accurate and positive adjustments. 7-inch diamond faced cranks and handsome sprockets. 36 teeth for 3/16-inch chain.

WHEELS—Fitted with New Departure or Corbin front hubs with turned cups and cones. Perfection anti-rust spokes and nipples. 32 spokes in front, 36 in rear.

BRAKE—Any standard make.

CHAIN—Polished straw tempered, B Block Diamond. Perforated blue sides. Hardened rivets.

SEAT POST—Plain forward L. Forged top, fully nickeled.

SADDLE—Troxel Eagle Easy.

PEDALS—No. 1 Rat Trap.

TIRES—Goodyear Blue Streak, fully guaranteed.

MUD GUARDS—Heavy corrugated with flat braces.

TOOL BAG AND TOOLS.

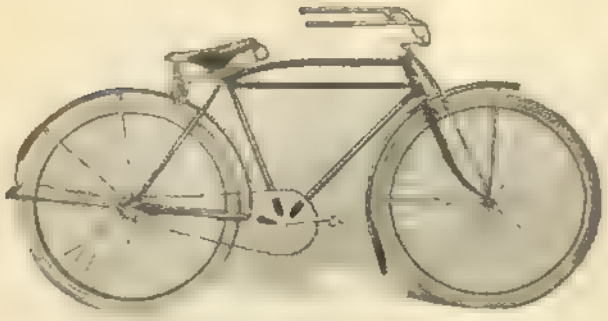
FINISH—Combination A. Black and green.
Combination B. Carmine and white.
Combination C. Tan and white.

Price, with coaster brake and mud guards $96.58

If wanted with parcel carrier, add $1.30.
If wanted with stand, add $1.08.
If wanted with clincher tires, add $12.42.

High Grade "Chicago" Bicycles

Finest of Material Workmanship and Finish



CHICAGO AUTO BIKE No. 1

SPECIFICATIONS

FRAME—Motorcycle type with gracefully curved top tube. Made throughout of 18-gauge Shelby seamless steel tubing. All connections heavily reinforced in accordance with motorcycle construction. Heavy motorcycle type head fittings. Pinch bolt seat post cluster.

FORK—Trussed motorcycle type. Special drop forged crown; 18-gauge fork sides. Extra heavy 1-inch head stem with flush cap lock nut. Head fittings outside cups and cones and 3/16-inch balls.

HANDLE BARS—Motor bike, braced bar, extra heavy with motorcycle grips.

SEAT POST—Extra heavy, forged top, fully nickeled.

WHEELS—Extra heavy front hub. Perfection Anti-Rust spokes. 32 spokes in front, 36 in rear.

BRAKE—Any standard make.

CHAIN—Roller, motorcycle type.

HANGER—1 piece 7-inch Diamond crank.

SPROCKET—Heart pattern. 26 teeth 3/16 inch.

TIRES—Goodyear Blue Streak, fully guaranteed.

SADDLE—Troxel, Motor Bike.

PEDALS—Standard, motorcycle type.

TOOL BOX—Drop side.

MUD GUARDS—Extra wide and heavy with front extension and nickel plated flat steel braces; one supporting extension in front of fork.

STAND—Folding.

TOOL BAG AND TOOLS—

FINISH—**Combination A.** Black and green.
Combination B. Carmine and white.
Combination C. Tan and white.

Price, with coaster brake and mud guards $106.34

If wanted with Stearnsey-Archer 3-speed coaster brake, add $12.00.
If wanted with clincher tires, add $12.42.
If wanted with parcel carrier, add $1.30.

Juvenile Models for the Little Folks

These wheels are made of high grade material, put together in the most workmanlike manner and are finished equal to the higher priced models. They are strong and durable and will stand the hardest service.

BOY'S JUVENILE

Frames—Finest seamless tubing, 1-inch in diameter.

Hanger—Fauber one-piece, with 5½-inch round cranks. The best because the easiest running and most simple; cannot get out of order.

Tires—Guaranteed single tube.

Pedals—Rat trap or combination rubber.

Brake—Any standard make.

Handle Bars—Adjustable, simple and reliable.

Finish—Carried in stock, black with red head, bright parts heavily nickel plated.

Tool Bag and Tools.

Model 9—14-inch frame, 20-inch wheels, coaster brake. $78.00
Model 11—16-inch frame, 24-inch wheels, coaster brake. 78.00
Model 13—18-inch frame, 26-inch wheels, coaster brake. 78.00

If wanted without coaster brake, deduct $13.00.

GIRL'S JUVENILE

Frames—Finest seamless tubing, 1-inch in diameter.

Hanger—Fauber one-piece, with 5½-inch round cranks. The best, because the easiest running and most simple; cannot get out of order.

Tires—Guaranteed single tube.

Pedals—Rat trap or combination rubber.

Brake—Any standard make.

Handle Bars—Adjustable, simple and reliable.

Finish—Carried in stock, black with red head, bright parts heavily nickel plated.

Tool Bag and Tools.

Model 10—14-inch frame, 20-inch wheels, coaster brake. $78.00
Model 12—16-inch frame, 24-inch wheels, coaster brake. 78.00
Model 14—18-inch frame, 26-inch wheels, coaster brake. 78.00

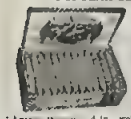
If wanted without coaster brake, deduct $13.00.

CIGARS TOBACCO & CIGARETTES

Popular brands that have proven their merit—quality to be depended upon by thousands of merchants. They will help YOU TO BUILD UP YOUR CIGAR TRADE. Each one is a TOP NOTCH VALUE at our price. Stock a good variety of these steady sellers. Make the case your buying guide and you will make better sales and have better profits.

POPULAR SELLING CIGARS

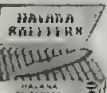
Light Domestic Blends



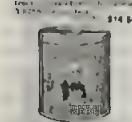
4 in., well made, uniform, shape, short filler. Per M. $13.50
Y8287—50 in box.

"Grand Council"—4½ in., regalia, well made, uniform full shape, short combination filler. Good 2 for 5c smokers. Per M. $18.50
Y8289—50 in glass humidor jar.

"Tricksy Lee"—4½ in., fair uniform shape, short filler. Per M. $14.50
Y8446—50 in box.



Havana Sweeper. Brush end. Per M. $23.50
Y8449—50 in box.



Panatela Sweepers. Per M. $18.50
Y8325—50 in litho humidor lib. Ouch

El Capitan General. Per M. $18.50

Havana Cigars

"Buffalo"—Perfecto, 5 in., well made, free smoker, burnt. Per M. $17.00

"Key West Extra"—Perfecto, 4¾ in. Havana cut filler. Per M. $27.00
Y8339—50 in box.

"Two Orphans"—Perfecto, 4½ in. Per M. $17.00
Y8765—100 in box.

"Club House"—4½ in., Havana filler, well made. Per M. $35.50
Y8351—50 in box.

Per M. $36.00

"Havana Specials"—Perfecto, 4¾ in., guaranteed clear Havana, banded. Per M. $46.00
Y8365—25 in 10 box.

"El Intrigo"—4½ in. London shape, Havana wrapper and filler. Per M. $35.00

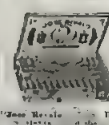
"El Merento"—Kids, 4 in., well made, Havana filler, Sumatra wrapper and Havana bands. Per M. $35.50
Y8326—Banded 50 in box.

"HELIOS" MANILA CIGARS

"Helios"—5½ in., Americanos, full shade, long filler, mild. Per M. $34.00
Y8816—50 in box.

Porto Rican Cigars

La Palma. Per M. $36.00
Y8317—"Special Value," plump shape, 4¾ in., 50 in box. Per M. $72.00
Y8318—"Senators." Per M. $72.00
Y8319—Panatelas. Per M. $87.00

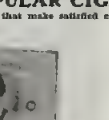


"Zoo Regio" Per M. $36.00
Y8353—50 in 10 box. Per M. $47.00

SPECIAL CIGAR PACKAGE

"Big Tids"—Perfecto, 4¾ in. Good filler and wrapper. Per M. $27.50
Y8397—1 doz. boxes in pkg. Box, boxes, $2.46

"OHIO MAID" 4 FOR 10c CIGARS



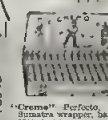
Well made free drawing cigars in attractive pkg., 3 foil wrapped, 1 open, banded in bdl. to retail at 10c. Exceptional offer of this price considering high cost of materials and scarcity of goods of this grade.
Y8823—4¾ in. Londres, well made and filled. Per M. $20.00

WELL KNOWN CIGARS

"James G. Blaine"—Perfecto grande, 4¾ in. Long filler, choice blend. Per M. $27.50
Y8732—50 in box.

"Lillian Russell"—Perfecto, 4½ in., choice blend domestic tobaccos, banded. Per M. $30.50
Y8710—50 in box.

"La Preferencia"—Londres, 4¼ in. Per M. $35.75
Y8335—New Operas, 4¼ in. Per M. $35.75



"Creme" Perfecto, 4¾ in. Sumatra wrapper, banded. Per M. $36.00
Y8349—50 in box.

"Moose Special"—Royal Londres, 5 in., well known medium manufacture, banded. Per M. $35.75
Y8701—100 in box.

"John Ruskin"—Perfecto, 5½ in. Long combination filler, broad leaf wrapper, banded. Per M. $36.00
Y8750—50 in box.

"Havana Berry"—4¾ in., popular straight shape, prime broad leaf wrapper, ¾ filler. A mild, sweet smoke of exceptional merit. Per M. $36.00
Y8760—50 in box.

"Little Chancellor"—Londres, 4¼ in. Per M. $36.00
Y8353—50 in 10 box.

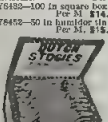
"Chancellor"—Conchas, 4¾ in. The oldest and best standard of wood and Havana cigars for over 30 years, banded. Per M. $61.50
Y8383—50 in box.

"Chancellor"—Perfecto Grande, 5 in. The oldest and best standard of wood and Havana cigars for over 30 years, banded. Per M. $27.50
Y8384—50 in box.

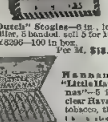
"Robert Burns"—Invincible. Per M. $72.00
Y8284W—50 in box.

STOGIES

"Steel King" 6 in., hand-made, long filler, wrapped all Havana. Sound clean, healthy moisture. Per M. $14.50
Y8432—100 in square box. Per M. $14.50
Y8452—50 in humidor tin. Per M. $15.00



"Dutch" Stogies—6 in., long filler, 5 banded. Sell 5 for 10c. Per M. $18.00
Y8396—100 in box.



Hannan's "Little Havanas"—5 in., Clear Havana tobacco, thin. Per M. $18.00

POPULAR SELLING STOGIES

Original "Cebs"—4¾ in. hand made, 8 for 50c, long 64 gr. flavor of Havana cigars. 3 in waxed paper pkg. Per M. $12.50
Y8485—100 in box.

"Best" Stogies—5½ in., long filler, hand made. Per M. $17.50
Y8766—100 in box.

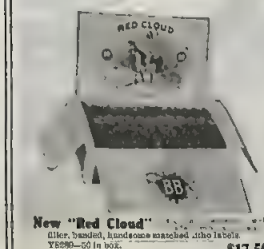
"Pittsburg Smoke"—5½ in. Per M. $17.00
Y8731—100 in paper box. Per M. $17.00

CHEROOTS

Old Virginia. 4 in., 2 in. waxed paper pkg. Per M. $12.50
Y8434—100 in box.

THREE WELL KNOWN POPULAR CIGARS—Big Sellers

Brands that meet popular demand wherever shown. Mild cool smokes that make satisfied customers, result in repeat orders and build for you a permanent cigar trade.



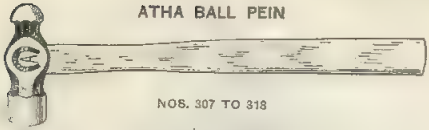
New "Red Cloud" 5 in., well filler, banded, handsome matched litho labels.
Per M. **$17.50**
Y8280—50 in box.

New "Lady Katherine"— made long combination filler, mild pleasant blend, banded litho matched labels.
Per M. **$23.25**
Y8300—50 in box.

New "La Fragra" 4¾ in., one filler, Havana combination, shade grown wrapper, mild and fragrant, handsome matched litho labels.
Per M. **$27.50**
Y8291—50 in box.

HAMMERS

ATHA BALL PEIN



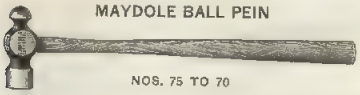
NOS. 307 TO 318

Extra quality cast steel, with selected hickory handles. Warranted.

No.	Wt. head	Wt. per doz.	Per doz.
307	8 oz.	7 lbs.	$12.00
308	8 oz.	10 lbs.	12.00
309	12 oz.	13 lbs.	12.00
310	1 lb.	18 lbs.	12.50
311	1¼ lbs.	22 lbs.	13.50
312	1½ lbs.	24 lbs.	14.50
313	1¾ lbs	28 lbs.	15.50
314	2 lbs.	31 lbs.	16.50
315	2¼ lbs	33 lbs	17.50
316	2½ lbs.	40 lbs.	19.00
318	3 lbs.	47 lbs.	22.00

One-half dozen in a box.

MAYDOLE BALL PEIN



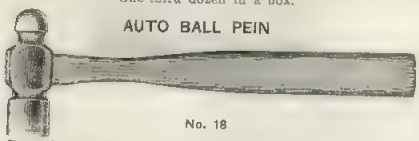
NOS. 75 TO 70

Extra quality cast steel. Hickory handles.

No.	Wt. head	Wt. per doz.	Per doz.
75	13 oz.	15 lbs	$16.50
74	1 lb.	18 lbs.	18.00
73	1¼ lbs.	21 lbs.	19.50
72	1½ lbs.	27 lbs	21.00
71	1⅞ lbs.	32 lbs	23.25
70½	2¼ lbs.	35 lbs.	25.50
70	3 lbs.	45 lbs.	30.00

One-third dozen in a box.

AUTO BALL PEIN



No. 18

Drop forged steel head, properly hardened. Polished face and pein. Hardwood handle. Length over all 11 in.

No.	Wt. per doz.	Per doz.
18	11½ lbs.	$6.00

One-half dozen in a box.

COPPER

Solid cast copper. Unhandled.

	Weight	Each
Copper Hammers	1 lb	$1.00
	1½ lb	1.50
	2 lbs.	2.00
	2½ lb	2.50
	3 lbs.	3.00
	4 lbs	4.00
	5 lbs	5.00
	6 lbs	6.00
	8 lbs	8.00
	10 lbs	10.00

CLEAN CUT COOPERS' HAMMERS

NOS. 754 AND 755

Plain eye, straight pein.

No.	Wt. head	Wt. per doz.	Per doz.
754	3 lbs.	42 lbs.	$18.00
755	4 lbs.	54 lbs.	20.00

One-half dozen in a box.

CLEAN CUT BRICKLAYERS' HAMMERS

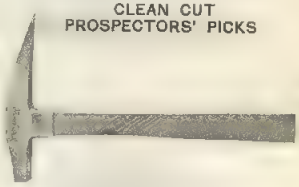
NOS. 772 AND 773

Square face; plain eye.

No.	Wt. head	Wt. per doz.	Per doz.
772	1½ lbs.	22 lbs.	$14.00
773	2 lbs.	28 lbs.	15.00

One-half dozen in a box.

CLEAN CUT PROSPECTORS' PICKS



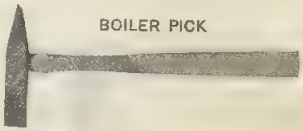
NOS. 1 TO 3

Hardened point and octagon poll, full polished.

No.	Wt. head	Wt. per doz.	Per doz.
1	1 lb	17 lbs	$15.00
2	1½ lb.	22 lbs.	16.00
3	2 lb.	31 lbs	17.00

One-half dozen in a box.

BOILER PICK



No. 2

Plain eye; one end straight, other cross pein.

No.	Wt. head	Wt. per doz.	Per doz.
2	1 lb.	16 lbs.	$15.00

One-half dozen in a box

HAND DRILL AND STRIKING HAMMERS

SINGLE HAND DRILL
COMSTOCK

Cast steel, carefully tempered and finished in oil, with polished faces. **Warranted.**

NEVADA PATTERN

Unhandled

Per pound
Comstock Single Nev. Pattern.....$0.40
Weights, 3, 3½ and 4 lbs

SINGLE HAND DRILL
ATHA

Cast steel, carefully tempered and finished in oil, with polished faces

NEVADA PATTERN

Unhandled

Per pound
Atha Single Nevada Pattern.....$0.40
Weights, 3½ and 4 lbs.

HANDLED HAND DRILL HAMMERS
SINGLE, NEVADA PATTERN

Comstock or Atha. With "Q" or Comstock handles, as described on page 35; add price of handles, plus 25c per dozen for handling.

DOUBLE FACE STRIKING
COMSTOCK
NEVADA PATTERN

Unhandled

Per pound
Comstock Double Nev. Pattern—
Weights, 3, 3½ and 4 lbs.....$0.40
Weights, 5 to 20 lbs.....30

OREGON PATTERN

Per pound
Comstock Double Ore. Pattern—
Weights, 3½ and 4 lbs.....$0.40
Weights, 5 to 16 lbs.....30

DOUBLE FACE STRIKING
ATHA
NEVADA PATTERN

Unhandled

Per pound
Atha Double Nevada Pattern—
Weights, 3½ and 4 lbs.....$0.40
Weights, 5 to 14 lbs.....30

OREGON PATTERN

Per pound
Atha Double Oregon Pattern.....$0.30
Weights, 5 to 14 lbs.

STRIKING HAMMERS
NEVADA AND OREGON PATTERNS

Handled

Comstock or Atha. With "Q," Sequoia Comstock or No. 1 sledge handles, as described on page 35, add price of handles, plus 25c per dozen for handling.

SIDE AND BRACKET LAMPS

No. 12—SIDE

No. 14—SIDE

No. 42—BRACKET

No. 12

Steel frame, japanned, with glass fount. Complete with reflector, No. 2 burner and chimney.

No.	Wt. per doz.	Per doz.
12	24 lbs.	$9.50
Extra Founts		3.00

No. 14

Steel frame, japanned. Complete with tin reflector, No. 2 burner and chimney.

No.	Wt. per doz.	Per doz.
14	12 lbs.	$8.00

No. 42

Adjustable bracket lamp, silvered glass reflector, bronzed iron bracket, 5½ in glass fount with oil filler. Complete with burner, chimney and wick.

No.	Wt. per doz.	Per doz.
42	33 lbs.	$18.00
Extra 7 in. Silvered Glass Reflectors		7.50
Extra Founts		4.00
Extra Brackets		3.00

LAMP CHIMNEYS

NOS. 1 (OR A) AND 2 (OR B)

ROCHESTER AND RAYO

NOS. 502 AND 504—MACBETH

NOS. 1 AND 2 LA BASTIE

CRIMP TOP, ROCHESTER AND RAYO

Flint glass. Packed in individual corrugated tubes.

No.		Wt. per doz.	Per doz.
1	(or A) Crimp Top	2½ lbs.	$1.50
2	(or B) Crimp Top	3 lbs.	1.80
1	Rochester	4 lbs.	1.90
2	Rochester	5 lbs.	2.50
3	Rochester	10 lbs.	4.50
2	B. & H. Rayo	5 lbs.	3.00

Six dozen and three dozen in a box, except No. 3, two dozen.

MACBETH-EVANS

Best quality flint glass, each selected and tested. Clear and heat resisting. Packed in individual corrugated tubes.

No.		Size	Wt. carton	Diam. bottom	Per doz.
502	Macbeth	1	14 lbs.	2½ in.	$2.00
504	Macbeth	2	24 lbs.	3 in.	3.00

Three dozen in a carton.

LA BASTIE

Pure lead glass. Will neither crack nor melt. Each chimney selected and tested for uniformity, strength and finish. The strongest, toughest chimney made. Packed in individual corrugated cartons.

No.		Size	Wt. carton	Diam. bottom	Per doz.
1	La Bastie	1	13 lbs.	2½ in.	$3.50
2	La Bastie	2	22 lbs.	3 in.	3.75

Three dozen in a carton.

GLASS HAND LAMPS

ONE PIECE, WITH PATENT COLLAR

Solid, one-piece, pressed. Patent solid glass collar with brass threads. Made in one piece and will not break under ordinary circumstances. Price without burners and chimneys.

STAND

Enlarged view of collar.

NOS. 950 TO 952

No.		Height	Collar	Wt. per doz.	Per doz.
950	A Stand	9 in.	2	35	$6.00
951	B Stand	9½ in.	2	40	7.50
952	C Stand	10 in.	2	45	8.50

FOOTED HAND

NOS. 953 AND 963

No.	Collar	Wt. per doz.	Per doz.
953	1	20 lbs.	$4.00
963	2	20 lbs.	4.25

LOW HAND

No. 954

No.	Collar	Wt. per doz.	Per doz.
954	1	14 lbs.	$3.25

ONE PIECE, WITH BRASS COLLAR

Solid one piece, pressed. Brass collar, cement fastening. Substantially built. Price without burners and chimneys

STAND

NOS. 874 TO 876

No.		Height	Collar	Wt. per doz.	Per doz.
874	A Stand	8½ in.	2	21	$5.50
875	B Stand	9 in.	2	27	6.50
876	C Stand	10 in.	2	32	7.00

FOOTED HAND

No. 877

No.	Collar	Wt. per doz.	Per doz.
877-1	1	14 lbs.	$3.50
877-2	2	14 lbs.	5.00

LOW HAND

No. 878

No.	Collar	Wt. per doz.	Per doz.
878	1	9 lbs.	$3.00

For price on burners and chimneys, see pages 398-400.

No. 1 collar takes the regular No. 1 lamp burner. No. 2 collar takes the regular No. 2 lamp burner.

G.W. HUNTLEY © CHICAGO

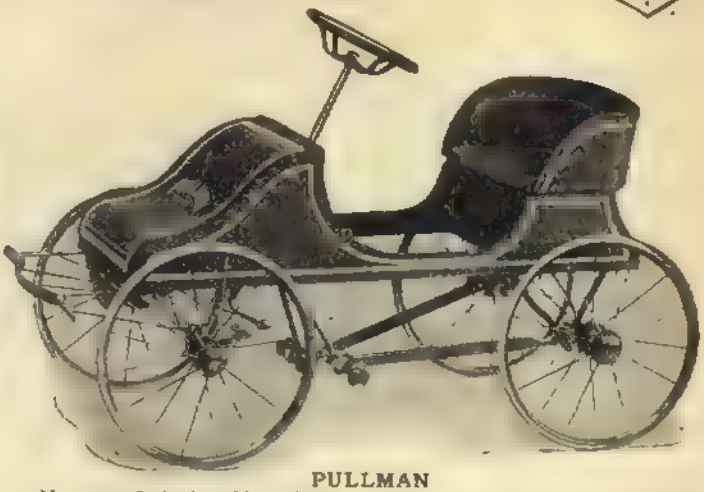
Popular Priced Automobiles

PRICES EACH F. O. B. OUR OHIO FACTORY

1863 1917

WIZARD

No. 202 ⅜ inch rubber tires.....each $12.20
Body—13x28 inches, **finished red with yellow striping.** Has starting crank. Steering wheel enameled black.
Gear—Knuckle front gear, enameled black.
Wheels—10 inches, enameled black.
Packed one in a crate, K. D. Weight, 40 pounds per crate.



PULLMAN

No. 202 ⅜-inch rubber tires.....each $13.70
Body—14x30 inches, **finished in Auto Red with gold striping.** Steering wheel enameled black. Equipped with steel bumper, a new feature.
Gear—Knuckle front gear, enameled black.
Wheels—12 inches, enameled black. Artillery pattern axle nuts.
Packed one in a crate, K. D. Weight, 40 pounds per crate.

JITNEY

No. 202 ⅜ inch rubber tires.....each $14.25
Body—14x28 inches, **finished green with white striping.** Equipped with steel bumper. Steering wheel enameled black.
Gear—Knuckle front gear, enameled black.
Wheels—12 inches, enameled. Artillery pattern axle nuts.
Packed one in a crate, K. D. Weight, 45 pounds per crate.

EMPIRE

No. 20—⅜-inch rubber tires.....each $14.80
Body—14x34 inches, **finished yellow with blue striping.** Nickel plated trimmings. Steering wheel enameled black. Equipped with steel bumper.
Gear—Knuckle front gear, enameled black.
Wheels—12 inches, enameled black. Artillery pattern axle nuts.
Packed one in a crate, K. D. Weight 50 pounds per crate.

COLUMBIA

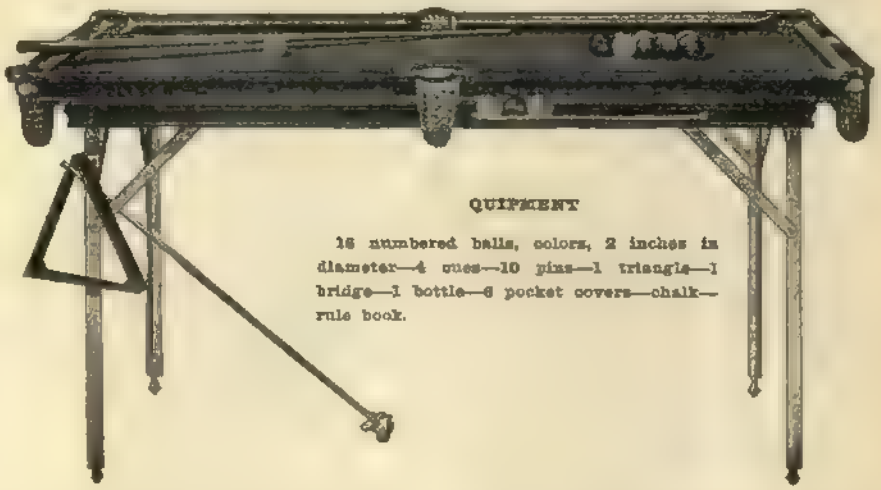
No. 20—⅜ inch rubber tires.....each $16.65
Body—14x34 inches, **finished in Auto Red with gold striping.** Adjustable seat. Steel bumper. Steering wheel enameled black.
Gear—Knuckle front gear, enameled black.
Wheels—12 inches, enameled black. Artillery pattern axle nuts.
Packed one in a crate, K. D. Weight, 50 pounds per crate.

CLIMAX

No. 30 ½ inch rubber tires.....each $17.90
Body—14x32 inches, **finished blue with white striping.** Adjustable seat. Nickel plated trimmings. Sunset front lamp. Steering wheel enameled black. Equipped with steel bumper.
Gear—Knuckle front gear, enameled black.
Wheels—14 inches, enameled black. Artillery pattern axle nuts.
Packed one in a crate. Weight, 45 pounds per crate.

Carroma Folding Pool and Billiard Tables

1863 1917



Nos. 50 and 70

This table is absolutely rigid and has angle iron folding legs. It is covered with genuine French billiard cloth. The cushions are regulation rubber. The woodwork is handsomely finished in mahogany. The bed will not warp, twist or get out of shape. The legs are fitted with leveling devices. Has ball rack and counters.

No. 50 ... Each $141.85
No. 70 ... Each 159.60

EQUIPMENT

16 numbered balls, colors, 2 inches in diameter—4 cues—10 pins—1 triangle—1 bridge—1 bottle—6 pocket covers—chalk—rule book.

"Lightweight" Peerless Folding Tables

No. 30½ Round Table.....each $7.20

Made of selected oak, golden oak, weathered or early English finish. Diameter, 30 inches.

THE STRONGEST TABLES FOR THEIR WEIGHT ON THE MARKET

Durably made and handsomely finished. Legs fold in flush with the rim. Has a strong truss frame with three-ply veneer top, which insures light weight with great strength.

Weight, about 15 pounds

For Cards, Luncheon, Sewing, Etc.

Each
No. 24½ Round corners....$3.35

Made of selected oak, golden early English or fumed oak finish. Size of top, 24x24 inches.

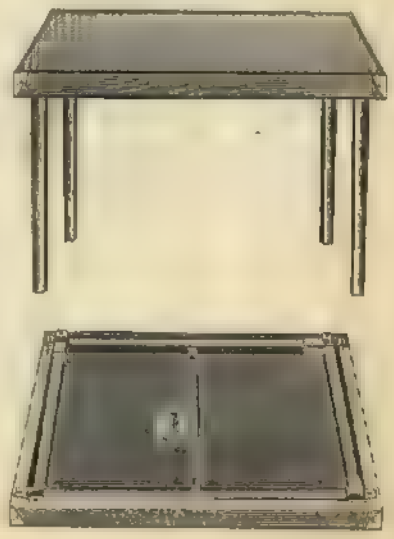
Folding Revolving Stand

A Necessity with Every Game Board

Revolves freely, folds compactly. Light durable well finished.

No. 100 Each.....$1.35

Acme Folding Table



Each
No. 344 Green felt top.....$6.70
No. 345 Green leatherette top ... 6.70

Beyond doubt the neatest and best folding table ever made. Weighs but **10 pounds.** Finished in mahogany with **green felt or leatherette top.** Has patent locking device which holds the legs rigid whether open or folded. Can be handled by a small child.

Always specify number when ordering.

COLTS REVOLVERS

Army Special

Six Shots, Double Action, Solid Frame, Simultaneous Ejection, Rubber Stock, Blued.

No. **CNA324.**	32/20 caliber, 4 inch barrel, shoots 32/20 Winchester cartridges	Each	$15 50
No. **CNA326.**	32/20 caliber, 6 inch barrel, shoots 32/20 Winchester cartridges	Each	15 50
No. **CNA384.**	38 caliber, 4 inch barrel, shoots 38 Short, Long and 38 S. & W. Special cartridges	Each	15 50
No. **CNA386.**	38 caliber, 6 inch barrel, shoots 38 Short, Long and 38 S. & W. Special cartridges	Each	15 50
No. **CNA414.**	41 caliber, 4 inch barrel, shoots 41 Short and Long cartridges	Each	15 50
No. **CNA416.**	41 caliber, 6 inch barrel, shoots 41 Srort and Long cartridges	Each	15 50

Officers' Model

Six Shots, Double Action, Solid Frame, Simultaneous Ejection, Wood Stock, Blued.

No. **COM386.**	38 caliber, 6 inch barrel.	Each	$18 50
No. **COM387½.**	38 caliber, 7½ inch barrel.	Each	18 50

Shoots 38 Long Colts, 38 Colts Special and 38 S. & W. Special Cartridges

AUTOMATIC PISTOLS

Colts 25 Caliber—Full Blued

Six shot; rimless, smokeless cartridge; 2 inch barrel; full length 4½ inches; weight 13 ounces.

No. **CA25.**	25 caliber, rubber stock	Each	$12 00
Extra Magazine		Each	50

Colts 32 and 380 Caliber—Full Blued

Rimless, smokeless cartridge; 3¾ inch barrel; full length 6¾ inches; weight 23 ounces; rubber stock.

No. **CA32.**	32 caliber, 8 shot	Each	$15 00
No. **CA380.**	380 caliber, 7 shot	Each	16 00
Extra Magazine, 32	caliber	Each	65
Extra Magazine, 380	caliber	Each	75

AUTOMATIC PISTOLS

Colts Pocket Model 38 Caliber

Seven shot; rimless, smokeless cartridge, full blued; 4½ inch barrel; full length 7½ inches; weight 32 ounces.

No. **CA38.** Rubber stock	Each	$20 00
Extra Magazine	Each	85

Colts Military Model 38 Caliber

Eight shot; rimless, smokeless cartridge; full blued, 6 inch barrel; full length 9 inches; weight 38 ounces.

No. **CA38M.** Rubber stocks	Each	$21 00
Extra Magazine	Each	85

Colts Government Model—45 Caliber

Seven shot; rimless, smokeless cartridge, full blued; 5 inch barrel; full length 8½ inches; weight 39 ounces.

No. **CA45G.** Checked walnut stock	Each	$22 00
Extra Magazine	Each	1 00

Savage Hammerless—Model 1913

No. **SA32.** 32 caliber, grip safety, 10 shot, barrel 3¾ inches; weight 20½ ounces	Each	$15 00
No. **SA380.** 380 caliber, grip safety, 9 shot, barrel 4¼ inches; weight 22 ounces	Each	$15 00
Extra Magazines, 32 caliber	Each	50
Extra Magazines, 380 caliber	Each	50

Shoots 22 Long Rifle (Greased Cartridges only) either Lesmok or Smokeless.

Note: Greaseless Cartridges may be used, providing Shells are slightly lubricated.

Colts Target Model—22 Caliber Atuomatic

No. **CA22.** 22 caliber; 6½ inch barrel, 10½ inches over all, weight 28 ounces; 10 shot, full blued; checked English walnut stock; bead front sight, adjustable for elevation; rear sight, with adjusting screw, adjustable for windage Each $18 00

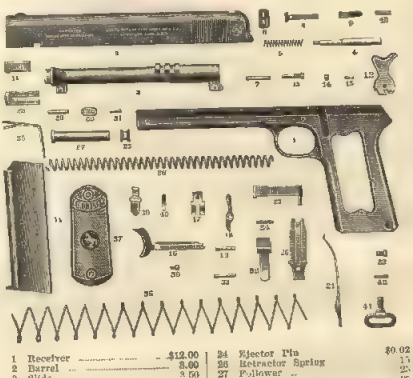
COMPONENT PARTS OF COLTS PISTOLS

AUTOMATIC—CALIBERS 32 AND 380

1	Receiver, Caliber 32	$8.50
	Receiver, Caliber 380	10.00
2	Barrel	2.00
3	Slide	.40
3b	Slide	.12
4	Front Firing Pin	.10
4a	Rear Firing Pin	.10
5	Firing Pin Spring	.02
6	Rear Sight	.20
7	Firing Pin Lock Pin	.02
8	Shell Extractor	.20
9	Shell Extractor Spring	.02
10	Shell Extractor Pin	.02
12	Hammer	.35
13	Slide Lock Safety	.10
14	Hammer Roll	.03
15	Hammer Roll Pin	.02
16	Trigger	.75
17	Sear	.35
18	Safety	.40
19	Sear and Safety Pin	.02
20	Sear, Safety and Trigger Spring	.15
21	Main Spring	$0.40
22b	Plug	.12
24	Ejector	.60
25	Ejector Pin	.02
26	Retractor Spring	.10
27	Retractor Spring Guide	.15
28	Anti-rattle Grip Safety	.75
29	Automatic Safety Pin	.02
30	Magazine Catch	.25
31	Magazine Complete with Follower and Spring	
	Caliber 32	.65
	Caliber 380	.75
32	Magazine Follower	.05
33	Magazine Spring Caliber .32	.20
	Magazine Spring Caliber .380	.30
34	Stocks, per pair	.75
35	Stock Screw	.02
	Escutcheons, per set	.05
	Front Sight	.10

In ordering please give number of pistol and state whether Military or Pocket Model, as improvements have been made since first issue

AUTOMATIC—CALIBER 38



1	Receiver	$12.00
2	Barrel	3.00
3	Slide	8.50
4	Firing Pin	.15
5	Firing Pin Spring	.02
6	Rear Sight	.20
7	Firing Pin Lock Pin	.02
8	Shell Extractor	.20
9	Shell Extractor Spring	.02
10	Shell Extractor Pin	.02
11	Slide Lock	.20
12	Hammer	.45
13	Hammer Screw	.03
14	Hammer Roll	.03
15	Hammer Roll Pin	.02
16	Trigger	.90
17	Sear	.40
18	Safety	.35
19	Sear and Safety Pin	.02
20	Sear, Safety and Trigger Spring	.25
21	Main Spring	.03
22	Main Spring Screw	.03
23	Ejector	.40
24	Ejector Pin	$0.02
26	Retractor Spring	.15
27	Follower	.25
28	Plug Take Down	.25
29	Plug and Link Pin	.02
30	Links (2), each	.10
31	Link Pin, Short	.01
32	Magazine Catch	.25
33	Magazine Catch Pin	.02
34	Magazine Complete	.85
35	Magazine Follower	.05
36	Magazine Spring	.25
37	Stocks, per pair	.75
38	Stock Screws (4), each	.02
39	Slide Stop	.75
40	Slide Stop Spring	.10
41	Swivel	.15
42	Swivel Pin	.03
	Escutcheons, per set (4)	.10
	Front Sight	.15
	Firing Pin Lock Stop	.03
	Firing Pin Lock Stop Spring	.02

GOVERNMENT MODEL—CALIBER 45

1	Receiver	$10.00
2	Barrel	2.50
3	Slide	5.00
4	Plunger Tube	.40
5	Slide Stop Plunger	.05
6	Plunger Spring	.03
7	Safety Lock Plunger	.05
8	Slide Stop	.80
9	Rear Sight	.25
*10	Front Sight	.10
11	Link	.15
12	Link Pin	.05
13	Barrel Bushing	.50
14	Recoil Spring	.10
15	Recoil Spring Guide	.30
16	Plug	.10
17	Extractor	.40
18	Ejector	.35
19	Ejector Pin	.03
20	Firing Pin	.25
21	Firing Pin Spring	.03
22	Firing Pin Stop	.30
23	Hammer	.75
24	Hammer Pin	.05
25	Hammer Strut	.20
26	Hammer Strut Pin	.05
27	Main Spring	.03
28	Main Spring Cap	.05
29	Main Spring Cap Pin	$0.05
30	Sear	.30
31	Sear Spring	.20
32	Sear Pin	.05
33	Disconnector	.40
34	Trigger	.75
35	Grip Safety	.75
36	Safety Lock	1.00
37	Main Spring Housing	.75
38	Housing Pin	.03
39	Housing Pin Retainer	.05
40	Lanyard Loop	.05
41	Lanyard Loop Pin	.02
42	Magazine Tube	.40
*43	Magazine Base	.10
*44	Magazine Pins (2)	.05
*45	Magazine Loop	.05
46	Magazine Spring	.25
47	Magazine Follower	.05
	Magazine Complete	1.00
48	Magazine Catch	.40
49	Magazine Catch Spring	.05
50	Magazine Catch Lock	.10
51	Stocks, Right and Left Hand, pair	2.00
52	Stock Screws (4), each	.05
53	Screw Bushings (4), each	.05

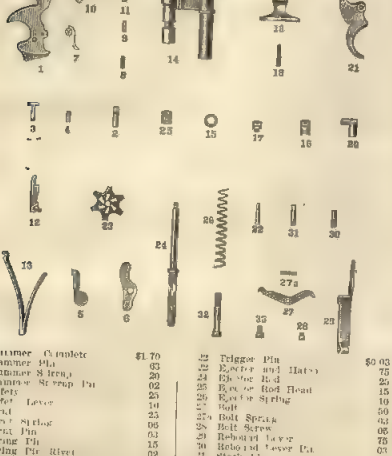
*These Parts not shown separately in cut.

Note: When ordering Parts please be sure to give number of pistol and state "Government Model," as Parts are different from the previous caliber .45 Colt Automatic Pistol.

Owing to time consumed in handling orders for parts, our minimum charge will be 25 cents plus postage.

COMPONENT PARTS OF COLTS REVOLVERS

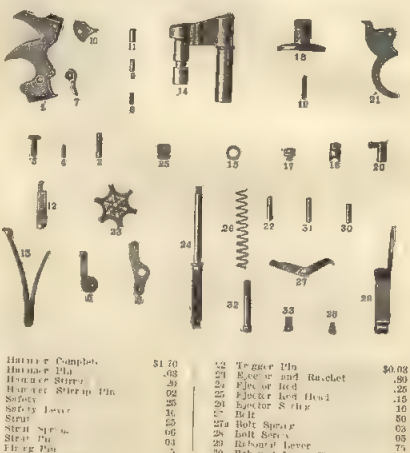
POLICE POSITIVE, CALIBER 32, AND POLICE POSITIVE TARGET, CALIBERS 22 AND 32



1	Hammer Complete	$1.70
2	Hammer Pin	.03
3	Hammer Strut	.20
4	Hammer Strut Pin	.02
5	Safety	.25
6	Safety Lever	.10
7	Strut	.25
8	Strut Spring	.06
9	Strut Pin	.03
10	Firing Pin	.15
11	Firing Pin Rivet	.02
12	Hand	.40
13	Main Spring	.50
14	Crane	2.25
15	Crane Bushing	.10
16	Crane Lock	.25
17	Crane Lock Screw	.07
18	Latch	.75
19	Latch Spring	.02
20	Latch Pin	.15
21	Trigger	.60
22	Trigger Pin	$0.03
23	Ejector and Rates	.75
24	Ejector Rod	.25
25	Ejector Rod Head	.15
26	Ejector Spring	.10
27	Bolt	.50
27a	Bolt Spring	.03
28	Bolt Screw	.05
29	Rebound Lever	.75
30	Rebound Lever Pin	.03
31	Stock Pin	.02
32	Stock Screw	.05
	Side Plate Screw	.05
	Frame and Side Plate	6.50
	Side Plate	.80
	Cylinder	3.00
	Barrel 2½ and 3½ Inches	1.50
	Barrel, 4, 5 or 6 Inches	2.00
	Recoil Plate	.05
	Stocks, per pair	.75
	Escutcheons, per set	.05

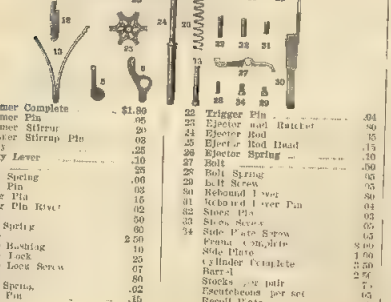
*Extra price charged for Target Revolver Parts In ordering Parts, specify number and caliber of revolver

POLICE POSITIVE AND POLICE POSITIVE SPECIAL CALIBER 38



1	Hammer Complete	$1.70
2	Hammer Pin	.03
3	Hammer Strut	.20
4	Hammer Strut Pin	.02
5	Safety	.25
6	Safety Lever	.10
7	Strut	.25
8	Strut Spring	.06
9	Strut Pin	.03
10	Firing Pin	.15
11	Firing Pin Rivet	.02
12	Hand	.40
13	Main Spring	.50
14	Crane	2.25
15	Crane Bushing	.10
16	Crane Lock	.25
17	Crane Lock Screw	.07
18	Latch	.75
19	Latch Spring	.02
20	Latch Pin	.15
21	Trigger	.60
22	Trigger Pin	$0.03
23	Ejector and Ratchet	.90
24	Ejector Rod	.25
25	Ejector Rod Head	.15
26	Ejector Spring	.10
27	Bolt	.50
27a	Bolt Spring	.03
28	Bolt Screw	.05
29	Rebound Lever	.75
30	Rebound Lever Pin	.03
31	Stock Pin	.02
32	Stock Screw	.05
33	Side Plate Screws	.05
	Frame and Side Plate	6.50
	Side Plate	.80
	Cylinder	3.25
	Barrel	2.00
	Recoil Plate	.05
	Stocks, per pair	.75
	Escutcheons, per set	.05

ARMY SPECIAL AND OFFICERS' MODEL NEW STYLE

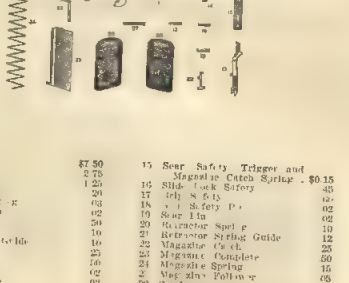


1	Hammer Complete	$1.80
2	Hammer Pin	.05
3	Hammer Sliprut	.20
4	Hammer Strrup Pin	.03
5	Safety	.25
6	Safety Lever	.10
7	Strut	.25
8	Strut Spring	.06
9	Strut Pin	.03
10	Firing Pin	.15
11	Firing Pin Rivet	.02
12	Hand	.50
13	Main Spring	.60
14	Crane	2.50
15	Crane Bushing	.10
16	Crane Lock	.25
17	Crane Lock Screw	.07
18	Latch	.80
19	Latch Spring	.02
20	Latch Pin	.15
21	Trigger	.75
22	Trigger Pin	.04
23	Ejector and Ratchet	.80
24	Ejector Rod	.15
25	Ejector Rod Head	.15
26	Ejector Spring	.10
27	Bolt	.50
28	Bolt Spring	.05
29	Bolt Screw	.05
30	Rebound Lever	.80
31	Rebound Lever Pin	.04
32	Stock Pin	.03
33	Stock Screw	.05
34	Side Plate Screw	.05
	Frame, Complete	$ 6.00
	Side Plate	1.00
	Cylinder Complete	3.50
	Barrel	2.50
	Stocks, per pair	.75
	Escutcheons, per set	.05
	Recoil Plate	.03

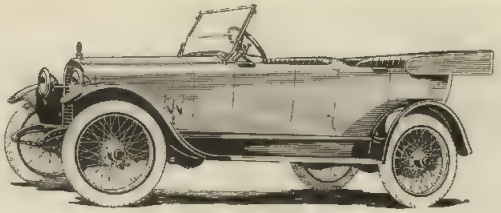
*Extra price charged for Officers' Model Parts.

Owing to time consumed in handling orders for parts, our minimum charge will be 35 cents plus postage.

AUTOMATIC POCKET MODEL—25 CALIBER



1	Receiver	$7.50
2	Slide	2.75
3	Barrel	1.25
4	Extractor	.20
5	Extractor Spring	.03
6	Ejector Pin	.02
7	Firing Pin	.50
8	Main Spring	.10
9	Main Spring Guide	.10
10	Trigger	.25
11	Connector	.50
12	Trigger Pin	.02
13	Safety Stop Pin	.02
14	Sear	.50
15	Sear Safety Trigger and Magazine Catch Spring	$0.15
16	Slide Lock Safety	.45
17	Grip Safety	.60
18	Grip Safety Pin	.02
19	Sear Pin	.02
20	Extractor Spring	.10
21	Retractor Spring Guide	.12
22	Magazine Catch	.25
23	Magazine Complete	.50
24	Magazine Spring	.15
25	Magazine Follower	.05
26	Stocks, per pair	.75
27	Stock Screw Escutcheons	.05



Columbia Six

EVERY dealer in the country who believes that quality is the great essential for substantial success, will be interested in the Columbia Six.

This car presents a unique combination of quality features, and by skillful engineering, these features have been so coördinated as to produce a wonderfully harmonious whole.

$1250
f. o. b. Detroit

These Features Tell Their Own Story of Quality

- Continental - Columbia Motor
- Timken - Detroit Axles — front and rear
- Harrison Radiator, with ventilating shutters
- Detroit Self - Lubricating Springs
- Ward - Leonard Starting and Lighting System
- Borg & Beck Disc Clutch — extremely light operating, velvety in action
- Stromberg Carburetor
- Cantilever Rear Springs, 49" long
- Extra Deep Pressed-Steel Frame
- Stewart Vacuum Feed System
- Genuine Pantasote One-Man Top
- Tires, 32 x 4"—non-skid in front
- Slanting Windshield
- Wire Wheels optional
- Weight, 2700 lbs.
- Optional Colors—Columbia Gray or Columbia Blue
- Price, $1250

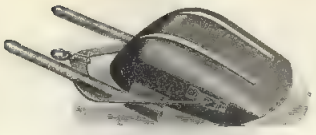
The Columbia Six asks no odds of any car at any price in either quality or performance.

We are making shipments daily. We will be glad to hear from dealers who know they can sell a car that can actually deliver the goods of the brief description given above.

Columbia Motors Company
Detroit, U. S. A.

ROAD SCRAPERS

COLUMBUS



With Runners

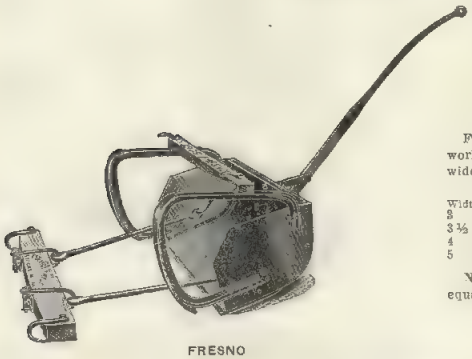
No.	Capacity	Weight	Each
10	7 cubic ft.	105 lbs.	$16.00
20	5 cubic ft.	97 lbs.	15.00

WINNER

With Runners

No.	Capacity	Weight	Each
1	7 cubic ft.	83 lbs.	$14.00
2	5 cubic ft.	74 lbs.	13.00

FRESNO SCRAPERS



FRESNO

IMPROVED FRESNO PATTERN

For leveling land, making ditches, canals, etc., and for all work where a drag scraper is used. Plow steel blade 12 in. wide, ¼ in. thick.

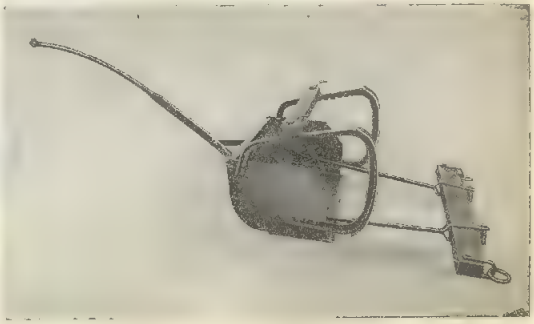
Width cut	Capacity	horse	Wt. each	Each
3 ft.	2		185 lbs	$25.00
3½ ft.	2		220 lbs.	25.00
4 ft.	3		255 lbs.	27.00
5 ft.	4		295 lbs.	28.00

Note—The above prices are f. o. b. San Francisco; freight equalized with Fresno, Stockton, Sacramento and Oakland.

TURLOCK SPECIAL

The principal difference between the Turlock and the regular Fresno scraper is in the draw rods. The Turlock Special draw rods and clevises are in one piece; the advantage is that it makes a solid connection between the double-tree and the scraper bowl, which is specially useful on work requiring constant turning.

Sizes, Weights and Prices same as Fresno.



TURLOCK SPECIAL

BLUE RIBBON SALE

"CONSUMER" ALASKA PINK SALMON

All salmon is very short and large quantities of the new pack have been sold to foreign trade. Spot prices are unusually high but here is a chance for you to buy at right price. Get plenty for your summer trade right now.

2Y4533—No. 1 tall tins, flaky fine eating fish, good pinkcolor. 4 doz. in case, 96 lbs (Total $47.40) Doz. **$1.99**

"DUPONT" IMPORTED PORTUGUESE SARDINES

Here is a very special trade for you. Bought on the old basis, you can have the benefit of this fortunate purchase. Buy them by the case or dozen, but get same for your summer trade

A full ½ tin of the highest grade fish packed in pure olive oil

2Y4662—No. ½ tins. 100 in case. Case, **$15.89**

2Y3063—No. ½ tins. 3 doz. in pkg. Doz. **$1.99**

FANCY HOLLAND HERRING

If you try you can sell lots of fish. It is so much cheaper than meat These kegs can be opened and the fish sold as wanted to customers, or you can sell the whole keg.

2Y5851—Mixed Full 4½ lb keg herring, 1916 pack 35 to 40 fancy Holland herring to keg Keg. **88c**

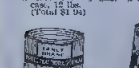
CANNED MEATS—Big Values

Picnics, afternoon luncheon, etc., will soon be the order of the day. Be prepared The best part of this story, though, is the prices.

2Y4561 2Y4565

Vienna Sausage—No better quality on the market. Key open tins. 2Y4561 No. 1 tin 2 doz. in pkg. Doz. **$1.19**

Deviled Meat—There is a steady demand for this item. Save money here. Key open tins. 2Y4498 No. ½ tins. 2 doz. in case, 12 lbs. (Total $1.94) Doz. **97c**



2Y4567 2Y4569

Potted Meats—A staple seller of selected cuts. Key open tin 2Y4567—No. ½ tin 4 doz. in case, 15 lbs. (Total $1.96) Doz. **49c**

Corned Beef—Tender lean meat. Key open tin. 2Y4590—No. 1 tin. 2 doz. in case, 24 lbs. (Total $6.38) Doz. **$3.19**

"CONSUMER" THOMPSON'S SEEDLESS RAISINS

Clean, beautiful fruit in a full 8 oz. net package at a very low price. Right now you can eat these freely if you will put them out with a sign on them.

2Y5063—8 oz. net package in case 12 lbs. Total $3.36 2¼ doz. Doz. **95c**

"CONSUMER" JELLY POWDER

Why not sell "Consumer" Jelly Powder and give your trade quality at a better profit to yourself. We guarantee there is no better quality than this.

2Y4936—Strawberry
2Y4937 Raspberry
2Y4938 Cherry.
2Y4939—Lemon
2Y4940—Orange. Doz. **78c**

2 doz in case 3¾ oz net pkg (Total $2.91)

2Y4934—Assid. 1 doz. each strawberry, raspberry and cherry. Assid. 3 doz. in case 3¾ oz net pkg Doz. **78c**

2Y4935—Assid 1 doz. strawberry, ½ oz raspberry, 1 doz cherry, ½ oz lemon and ½ doz orange. Assid. 3 doz. in case 3¾ oz net pkg (Tot. $2.34) Doz. **78c**

"CONSUMER" CORN FLAKES

A seller for NOW—the big spring and summer light food. Here is a package containing 7 oz.—look at our price.

2Y4813 7 oz. net pkg. rich brown toasted flake corn. If what I say matches what the advertised packages on the market do I'll be a boy. It will eat 500 times nicer, idler in corn way, it'll be Total $3.57 Doz. **$1.79**

"COMMONWEALTH" BRAND PURE MUSTARD

A new item for you. The finest quality of prepared mustard in a fancy 8 oz. screw cap jar. A very classy package for your best trade And a big summer seller.

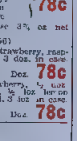
2Y5098 2Y5092

2Y5088—Cathedral style 8 oz. jar 2 doz. in case. (Total $1.78) Doz. **89c**

2Y5060—Fancy label 8 oz. jar 2 doz. in case. (Total $1.78) Doz. **89c**

6 OZ. BOTTLE PURE HORSERADISH

In big demand for summer sandwiches. Here is one item that the high cost of living has not touched. Take advantage of our low price now. Include some in your next order.



2Y4682—6 oz. bots s, strong, absolutely pure. In big demand for sandwiches. Always makes satisfied customers. 1 doz. in case, 35 lbs. Doz. **89c**

"COMMONWEALTH" PURE TOMATO CATSUP

At a time when the market is practically cleaned up and a big demand is on for catsup we have as usual a real bargain for you You can't beat this value for equal grade so order what you will need for the next few months right now.

2Y5048—Full 16 oz. screw cap bottles, beautiful red catsup 2 doz. in case. Doz. **$2.94** (Total $5.88)

"COMMONWEALTH" SOUPS—Especially Assorted

You don't have to sell advertised brands without profit. Sell "Commonwealth" soups—just like lemonade. You can do this and make a profit for yourself. Save the billboard advertising money for yourself and customers.

2Y5053 2 dz. No. 1 tins, green pea, split pea, navy bean, black bean, beef stew, celery, consomme and beef bouillon. Buy these and send a full case home. Have your family serve them. Mr. Dealer, try healthful, economical food on your own table—compare 4 doz. in case, assid Total ($8.00) Doz. **99c**

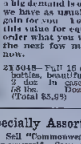
"CONSUMER" EARLY JUNE PEAS

Just try to match this value elsewhere then you will buy here. No. 2 tins, fine quality. Your customers will like them.

2Y4512—Early June Alaska peas, No. 2 tins 2 doz. in case 42 lbs Total $3.08 Doz. **$1.54**

"CONSUMER" PEELED CALIFORNIA FREESTONE PEACHES

Just try to match this value. Large halves. Just right to make good pies, or for the table if desired.



2Y4510—No. 2½ tins 2 doz in case 6 lbs (Total $3.48) Doz **$1.74**

CREAM OF RICE

Every retailer that reads this knows what he has to pay for the well known breakfast cereal food. To move our prices with what you have been paying and it will show you how much we can save you when you trade here.

2Y4614—2 doz. 20 oz pkgs in case (Tota. $2.58) Doz **$1.29**

BLUE RIBBON SALE

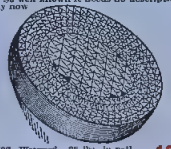
POPULAR CREAM MIXTURE

A mixture of sweets that has proved to be a big seller. Order a supply and watch them go.

Y738—Royal mixed, crystallized cream and jelly beans, 50% of each assd. shapes and flavors. 30 lbs. in pail. Lb. **11¢**

BORDEN'S "TIP TOP" CARAMEL

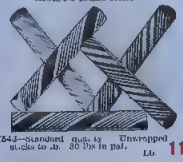
So well known it needs no description. Buy now



Y533—Wrapped. 25 lbs. in pail. Lb. **10½¢**

ASSTD. STICK CANDY

Always a prime seller



Y543—Standard quality. Unwrapped sticks 30 lbs in pal. Lb. **11¢**

PARAFFINE CANDLES

Prices as low as these are seldom quoted on these staples

9 N

Y6834—Sixes. 9 in box. 36 candles in box. BOX of 36. **49¢**

Y6835—Twelves, 5¼ in. 72 candles to box. BOX of 72 **49¢**

"CLINCHER" FRUIT JAR RUBBERS

Fresh quality rubbers put up in attractive little cartons. The time to stock these items is AT ONCE. It will pay you to anticipate your needs NOW.

2½ in flange, cut 20 to in. 12 in box. 1 doz. boxes in carton.

Y7771—White Gro. boxes $3.85 Doz. boxes, **32c**

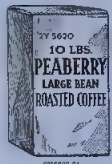
Y7715—Red Gro. boxes $3.85 " " **32c**

MAKE YOUR OWN BLEND COFFEE, MR. GROCER

Order a quantity of each and do your own blending. A combination of these four brands will make an unusually good retailer at 20c or 4 lbs. for $1.00.

2Y5614-15

2Y5616-17



2Y5620-21

2Y5618-19

Fancy Santos—

2Y5614—10 lb. bag ..... Lb. **18½¢**

2Y5615—1 lb. sample bag (only 1 at this price) ..

Colombian A No 1

2Y5616—10 lb. bag ..... Lb. **23½¢**

2Y5617—1 lb. sample bag (only 1 at this price)

Peaberry—Large bean.

2Y5620—10 lb. bag..... Lb. **22½¢**

2Y5621—1 lb. sample bag (only 1 at this price) . . .

Washed Maracaibo—

2Y5618—10 lb. bag . Lb. **23½¢**

2Y5619—1 lb. sample bag (only 1 at this price)

SANTOS NO. 4 SPECIAL COFFEE

Big value—fine roast and sweet drinking

2Y5616—100 lbs., burlap paper lined bag Lb. **17c**

MAKE YOUR OWN TEST IN YOUR OWN STORE

For a limited time we will fill orders for single cans and packages of our coffees at the 24-lb. package price.

2Y5305

2Y5402

2Y5509

2Y5315

2Y5290

2Y5320

2Y5311

2Y5603

2Y6325

25c Retailer

"Marquette"—Rich sweet full bodied Breakfast coffee. Best 25c coffee on the market

2Y5305—1 lb. carton .. .. Lb **19½¢**

30c Retailer

"Montrego"—A blend for those who want something better than the regular run of roasted coffee.

2Y5402—1 lb. can. .....Lb. **23½¢**

35c Retailer

"Dreamland"—A big value and delightful in the cup. Not a 35c drink but you can make it a special at 29 c lb.

2Y5509—1 lb can Lb **23½¢**

30c Retailer

"Old Mocca"—Contains aroma of oriental and island grown coffees.

2Y5315—1 lb. can..... Lb **24½¢**

35c Retailer

"Consumer"—High grade blend of Bourbon, Santos, Maracaibo and mild coffees, giving body and delightful flavor.

2Y5290—1 lb. can..... .Lb. **26½¢**

35c or 38c Retailer

"Arcadian"—A quality blend to which only the highest grade selected old coffees are used. Sure to please particular trade

2Y5320—1 lb. carton. . . Lb **27½¢**

40c Retailer

"Arcania Land"—A choice blending of Bourbon, Santos, Colombian, Sumatra and mild coffees **28½¢**

2Y5311—1 lb. oval can. . . . .Lb.

40c to 45c Retailer

"M B F"—After dinner coffee, delicious flavor.

2Y5603—2 lb round can . ....Lb **31½¢**

(Total 63c)

45c to 48c Retailer

"Commonwealth"—A famous blend combining that smoothness, snap and aroma which is characteristic of only the choicest coffees.

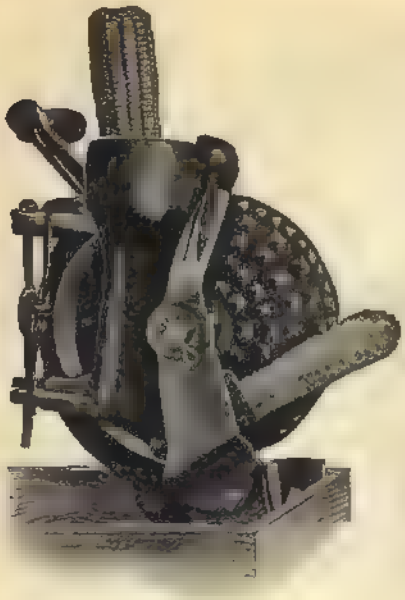
2Y5325—1 lb oval can. ... .Lb **36½¢**

BUTLER BROTHERS, RANDOLPH BRIDGE, CHICAGO

Fine Corn Shellers

Prices Each

CAST IRON CORN SHELLER



No. 12

In No. 12 we clearly illustrate one of the handiest and most complete little corn shellers on the market. For convenience and general utility it cannot be equaled; it is so simple that there is absolutely nothing about it to get out of order, and so strong that it will not break. It can be adjusted to shell large or small ears with equally good results. Its value will be appreciated in the cold winter evenings, when it can be taken into the kitchen beside a warm and comfortable fire. It can be used to shell popcorn, seed corn, corn for poultry or for any other purpose, and can be easily operated by a child. The adjusting shell is held against the ear of corn by a spring, the tension of which is easily and quickly adjusted. This shell forces the ear of corn against the shelling wheel, and causes the ear to revolve so that the corn is shelled from the ear clean

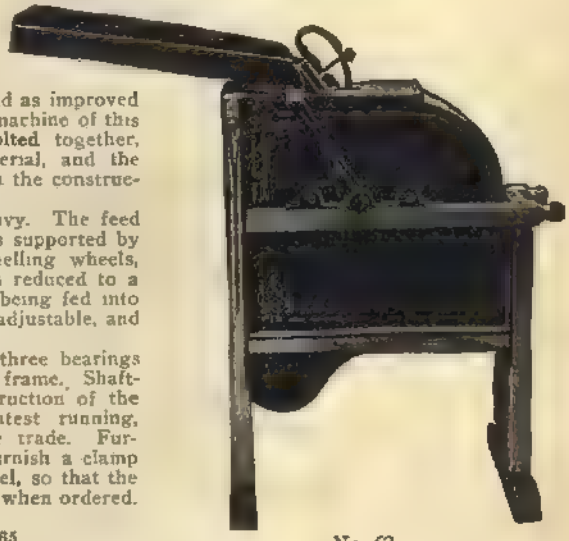
The shelled corn is dropped into the box to which the sheller is fastened, and the ears are dropped outside. This is certainly a desirable machine for every farmer, even for those who own large sized shellers. It is simple, strong, convenient and cheap. Weight, 15 lbs. No. 22 shows the above sheller with a balance wheel. Weight, 30 lbs.

No. 12 Each $2.20
No. 22. Each.. . . . 4.75

No. 22

ROUND-END ONE-HOLE CORN SHELLER

STRICTLY HIGH GRADE



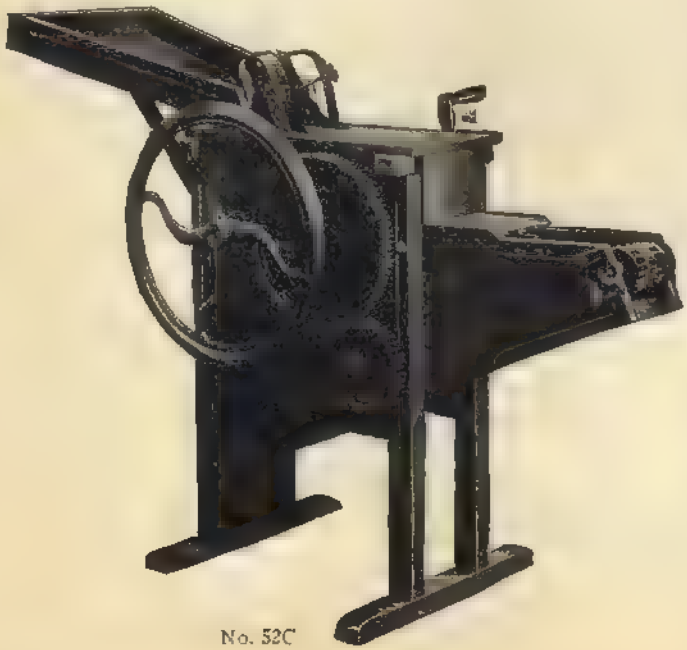
No. 62

This is unquestionably the most popular style of hand corn sheller made, and as improved and now manufactured by us, it combines every desirable feature required in a machine of this character. The frame work, which is made of heavy hardwood, is strongly bolted together, making every part of the machine firm and rigid. The panels are heavy material, and the entire sheller is tastefully ornamented and handsomely finished. Every detail in the construction of this sheller receives careful attention from first to last.

The crank is on the right side of the machine and is very strong and heavy. The feed table, which is of ample dimensions, is securely bolted to the feed spout and is supported by the corner posts of the sheller. The feed spout is placed directly over the shelling wheels, and as the shelling wheels grip the ears of corn firmly, the labor of feeding is reduced to a minimum, no crowding or pushing being required, large or small ears of corn being fed into the sheller with equal ease. The rag-iron and the spring which controls it are adjustable, and when properly set any size of ear may be shelled

The shaft bearings are all bored true to size, and on the crank side the three bearings are connected, so that they cannot get out of line. Bearings are all bolted to frame. Shafting is cold rolled steel. The balance wheel is large and very heavy The construction of the fan is such as will meet the approval of the most critical purchaser. The lightest running, best constructed and most desirable one-hole corn sheller ever offered to the trade. Furnished with or without fan and feed table, as may be desired. We can also furnish a clamp pulley, 8-inch diameter by 2-inch face, with bolts to attach to the balance wheel, so that the sheller can be used with light power. The pulley is extra and is furnished only when ordered. Weight, 140 lbs.

No. 62. Complete with table and fan. Each..... $21.65
Clamp pulley extra. Each..... 1.50



No. 52C

SQUARE FRAME TWO-HOLE CORN SHELLER WITH COB CARRIER

The sheller illustrated here is particularly adapted for general farm, warehouse or custom mill use. This machine is strongly constructed of good materials and is nicely finished in every respect. It is supplied with a cob carrier which effectually separates the corn from the cobs, dropping the cogs at a distance from the rear frame and preventing corn from being carried over with the cobs. Power and speed are transmitted to the different driving shafts by strong gearing, consequently there is no slipping or lost motion.

The shafting is cold rolled steel and runs in babbitted bearings. The balance wheel is heavy and of large diameter and assists greatly in keeping the speed even and regular. The rag-irons and the springs which govern them are adjustable and can be set so the machine will shell clean either large or small ears of corn The fan and the cob carrier clean and separate the corn in the most perfect manner. The feed table is very large and is firmly attached and strongly braced to the body of the machine. Feed spout is over the shelling wheels, and as the shelling wheels grip the ear firmly, feeding is easy and positive.

This sheller is always furnished complete with fan, feed table, cob carrier, crank and pulley, and can be run by either hand or power. When run by power, the pulley, which is 8 inches in diameter and 4-inch face, should make from 300 to 400 revolutions per minute.

Weight, 240 lbs.

No. 52C. Complete with Cob Carrier. Each..... $42.10

Shipped F. O. B. Our Wisconsin Factory.

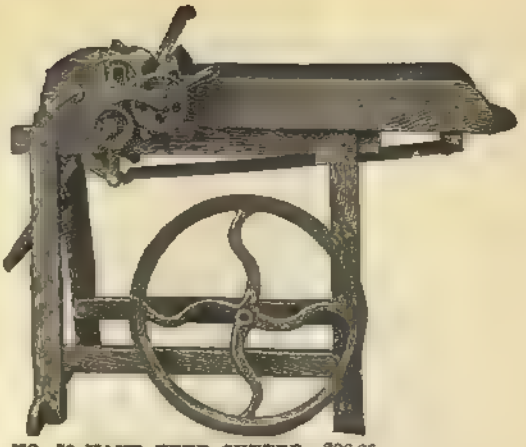
Labor Saving Farm Machinery

PRICES EACH.

NO. 52 SPECIAL CUTTER—$27.35

This cutter is made especially to meet the demands for a good, yet cheap and durable machine. It is well adapted for general work and where but few head of stock are kept it will answer nearly every purpose that would be required of a more expensive machine. There is very little gearing about the cutter and all parts are arranged in the most convenient manner. The frame is built of hard wood and the machine is well finished throughout. The machine has one 11½-inch knife and makes a downward shearing cut against a hardened cutting edge and makes three cuts to one turn of the crank. The length of cut is adjustable from ⅜ inch to 1½ inches. This cutter is easy running and is offered strictly on its merits.

Capacity per hour: Dry fodder 150 to 200 lbs., green fodder, 300 to 400 lbs. Weight, 165 lbs.

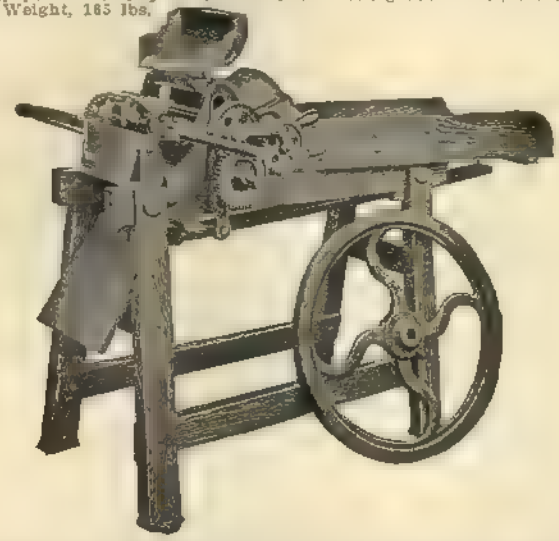


NO. 72 HAND FEED CUTTER—$36.85

This illustrates a very popular hand feed cutter. This is the smallest of our uniform cutters. It contains all the important features of the larger sizes, such as the change in the length of cut without changing gears, safety stop lever, etc. The frame is made of hard wood with mortise and tenon joints and is exceptionally well braced. The feed table is broad and deep and of good length. Feed rolls are governed by an equalizer bar and spring so that both ends of feed rolls are raised equally and there is no binding in the boxes. This machine has the adjustable cone feed gearing by which length of cut is changed. It has two 8½-inch knives. These knives are made of tempered steel and are secured to the knife heads by knife bolts and have adjusting screws for setting and holding knives in the proper position. The knives make a downward shearing cut against a hardened cutting bar ground true.

Length of cut. Two knife— ¼-inch, ⅝-inch or 1-inch.

Capacity per hour. Dry fodder 150 to 200 lbs. green fodder, 300 to 400 lbs. Weight, 150 lbs.



NO. 102 HAND FEED CUTTER—$55.35

This machine is designed expressly for a hand feed cutter of large capacity, but can be used with light power. For this purpose we have extended the main shaft so that a pulley can be put on outside of the balance wheel. Balance wheel is heavy and is provided with our patented friction device. All machines of this size are made with the extended shaft, whether wanted for pulley or for hand only. The 10-inch diameter, 3-inch face pulley used is furnished only as an extra.

An equalizer bar and a spring underneath the main frame control the movement of the upper feed roll, giving an even pressure and preventing the feed roll from binding in its bearings. Frame is built of hard wood with mortised joints and is well braced. The feed table is of ample size. This cutter is always furnished with two knives 10½ inches long.

Length of cut, ⅛-inch, ⅜-inch or 1-inch. If longer cuts are desired they can be made by removing one of the knives. The length will then be 1 inch, 1¼ inches or 2 inches.

Capacity per hour when run by hand: Dry fodder, 300 to 450 lbs.; green fodder, 600 to 900 lbs. When used as a power cutter it requires 1 horsepower and its capacity is 600 to 800 lbs. dry fodder, and 1,200 to 1,400 lbs. green fodder. Speed of cylinder should be from 300 to 400 revolutions per minute. Weight, 380 lbs.

Extra for 10x3 pulley, $3.00.

NO. 102½ POWER POULTRY FEED CUTTER—$85.65

With three 10½ inch knives which are detachable and adjustable. Built the same as No. 102 with the exception that crank gear is done away with and knife head shaft is extended so that pulley or balance wheel can be placed on either side of the machine.

It can be used as a hand machine by placing a crank on the cylinder shaft.

The crank is extra and furnished only when ordered. The cutter is regularly furnished with friction balance wheels, safety stop lever and self-contained sliding cone gear for changing length of cut. Feed rolls are driven by expansion gearing and pressure is controlled by an equaliser and spring board. An excellent machine for cutting poultry feed.

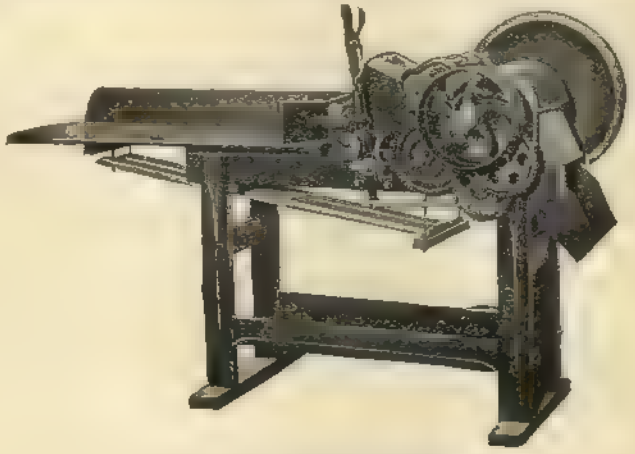
Length of cut ⅛ inch, ¼ inch and ⅝ inch.

Capacity per hour, dry fodder, 800 to 1,200 lbs. Green fodder, 1,200 to 2,400 lbs.

Power required 1 to 1½ horse power. Speed 300 to 400 revolutions per minute.

Weight with 10 inch diameter by 3 inch face pulley, 300 lbs.

Extra for hand crank, $2.35.



NO. 132 FEED AND ENSILAGE CUTTER—$112.85

Illustration shows the smallest of our ensilage cutters for silo filling purposes. The frame is of hard wood, strongly braced and put together with mortise and tenon joints, and held by through-going bolts. The table is large and provided with drop leaf sides to facilitate feeding. Feed gearing is heavy and change in cut is of the self-contained cone gear type, a particular feature of all these cutters. Feed rolls have expansion gearing and pressure is controlled by two spring boards. Pressure is exerted on an equalizer bar so that feed roll is raised the same at each end and there is no binding or undue friction in the boxes. This machine has four thirteen inch knives attached to the knife heads by knife bolts and provided with adjusting screws to regulate each knife with relation to the reversible steel cutting bar with which these machines are provided. The hood over the knives is heavy and amply large to give the knives plenty of clearance so that there will be no opportunity of clogging.

The machine is provided with our patented friction balance wheel and our own safety stop lever by which all moving parts with the exception of the cylinder head can be instantly stopped. This cutter is regularly furnished with 12 inch diameter 6 inch face pulley.

Capacity per hour: Dry fodder, 1½ to 2 tons. Green fodder 3 to 4 tons.

Power required, 2 to 3 horse power for cutter only. Speed, 500 revolutions per minute. Length of cut ¼ inch, ½ inch or ¾ inch. By removing two opposite knives length of cut may be changed to ½ inch, 1 inch or 1½ inch. Weight 520 lbs.

NO. 162 FEED AND ENSILAGE CUTTER—$143.20

Our No. 162 ensilage cutter is identical in construction with our No. 132 except that the knives are longer and the throat, frame and table are all wider. It has the self-contained feed gearing, friction balance wheel, and safety stop lever.

This cutter is provided with four 16 inch knives so arranged as to be readily adjusted or easily removed for sharpening.

Capacity per hour: Dry fodder, 2 to 4 tons. Green fodder, 6 to 8 tons.

Power required, 4 to 5 horse power for cutter only; 5 to 6 horse power for cutter and carrier.

Length of cut ¼ inch, ½ inch or ¾ inch.

By removing two opposite knives the length of cut can be changed to 1 inch, 1 inch or 1½ inches.

Speed 500 revolutions per minute.

This cutter is regularly furnished with 14 inch diameter 6 inch face pulley. We build this size with traveling feed table. The capacity per hour is: Dry fodder, 2½ to 5 tons; green fodder, 8 to 12 tons.

When used as a shredder speed should be 500 to 600 revolutions per minute. Weight 800 lbs.

SHIPPED F. O. B. OUR WISCONSIN FACTORY.

CROQUET SETS

No. 6

No. 8

No. 6. Four Ball Set—Rock maple balls and stakes, painted and varnished, plain beaded mallets with maple handles, painted; ten polished iron arches, and small dove tailed box with hinged cover; weight 12½ pounds Per Set $1 50

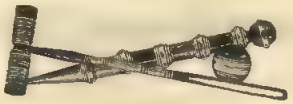
No. 8. Eight Ball Set—Rock maple balls and stakes, painted and varnished, plain beaded mallets with maple handles, painted; ten polished iron arches, and small dove-tailed box with hinged cover; weight 20 pounds Per Set $3 00

No. 5

No. 4

No. 5. Four Ball Set—Cheap Professional—Full varnished and striped balls, handles and stakes, mallets eight inches long, short handles, painted and striped; galvanized arches; weight 17 pounds ..... Per Set $3 25

No 4. Eight Ball Set—Full varnished, selected polished balls, white maple handles with three painted stripes on balls and wide painted striped handle, nicely beaded, turned mallets 5½ inches long; galvanized arches; weights 22½ pounds Per Set $3 75



Nos. AA and 2X

No AA. Four Ball Set Professional—Boxwood finish, all turned by hand, with genuine shellac finish; boxwood finish mallets nine inches long boxwood finish handles, and balls; two elegant, large, beaded, fancy striped and bronzed four-colored stakes, with heavy galvanized arches; weight 18½ pounds Per Set $6 00

No 2X. Eight Ball Set Professional Turned by hand, neatly painted; eight inch long mallets finely striped short maple handles; selected, polished three-striped balls; two large beaded eight-color stakes; heavy galvanized arches; weight 29 pounds ..... Per Set $4 50

One Set in Hinged Top Box.

HILLERICH STANDARD BRAND BASE BALL BATS

No. 1—Boys' Favorite

No. 1. Made of beech, 23 inches long, plain, smooth finish, six dozen in a crate, weight 125 pounds. Per Doz. $0 60

No. 2—Hillerich's Crackerjack

No. 2. Made of ash, boys' bat, 30 inches long, green stain, red bands, black stripes, highly polished, 6 dozen in a crate, weight about 130 pounds.....Per Doz. $1 20

No. 3—Knoxall

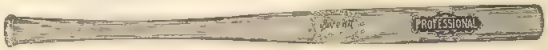
No. 3. Made of good ash boys' bat, 30 inches long, flame burnt, polished, 6 dozen in a crate, weight about 135 pounds Per Doz. $1 80

No. 7 Champion

No 7. Made of ash, men's full size, 32 to 35 inches long, flame burnt, polished, 3 dozen in a crate, weight about 110 pounds.....Per Doz. $3 00

No. 9 Choke Grip

No. 9. Made of good ash, 32 to 35 inches long, flame burnt, highly polished, one in a paper bag, 3 dozen in a crate, weight about 110 pounds.....Per Doz. $6 00



No. 15—Safe Hit

No 15. Made of second growth white ash 32 to 36 inches long, natural shellac finish highly polished transfer, branded "Safe Hit," one in a paper bag, 3 dozen in a crate, weight about 110 pounds.....Per Doz. 9 00

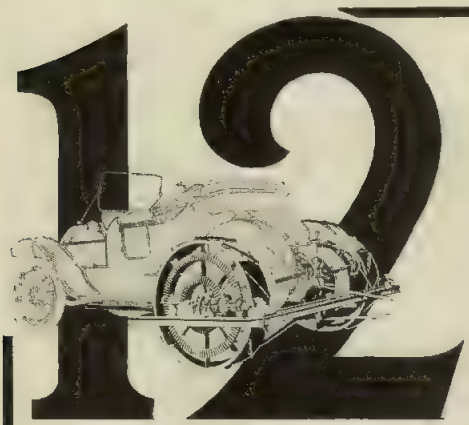
No. 16—Burnt Oil Finish

No 16. Made of second growth ash 32 to 36 inches long, new special burnt oil finish, hand turned, highly polished, transfer, made in twelve models, assorted weights, one in a paper bag, 3 dozen in a crate, weight about 110 pounds Per Doz. 9 00

No. 21—Special League

No 21. Made of second growth ash, straight grain, 32 to 36 inches long, hand turned, extra large and extra light weight highly polished, flame burnt shellac, transfer one in a paper bag, 3 dozen in a crate, weight about 110 pounds Per Doz. $12 00

No Guarantee on Above Bats



THE 12
AUTO-POWER
TRACTOR

$350

F. O. B. Factory

CURTIS FORM-A-TRACTOR

Every Farmer With an Auto is a Live Prospect

The farmer can buy an auto and a Curtis Form-A-Tractor for less money than he can purchase the ordinary heavy-duty farm tractor. In addition, he gets year 'round service and double use of his money.

Attached to any auto in three minutes — the Curtis Form-A-Tractor does everything that a heavy tractor will do—at the drawbar or belt pulley—in all soil and weather conditions.

Profits for the Farmer

In the field with the Curtis, the farmer can accomplish ***in one day*** what formerly took him ***twelve*** days. Its fuel cost is the fuel cost of the auto.

Big Money for Dealers

This is your big opportunity, men. The Curtis Form-A-Tractor will "go" big with your regular automobile customers. There's money in it for you, selling the Curtis Form-A-Tractor.

Write for Exclusive Territory

Write for the agency for your county. If you get it, we'll give you the commission for every machine sold in your territory. This offer will be withdrawn as soon as 500 counties are assigned, so write or wire today.

We want a few more distributors and dealers. The number we have simply cannot handle our volume of inquiries about the Curtis Form-A-Tractor. Get in line. Come along with your customers and sell them a Curtis. Mail the coupon. Ask for ***Free Subscription*** to Chicago Tractor News—a big, newsy paper about power farming with the Curtis.

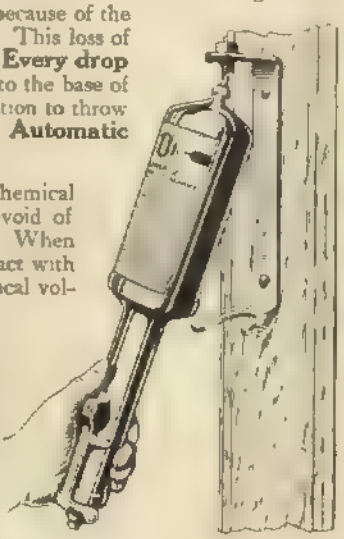
CURTIS FORM-A-TRACTOR CO.
601 Straus Bldg. CHICAGO ILL.

Curtis Form-A-Tractor Co.
601 Straus Building, Chicago, Illinois
I realize the big opportunity Curtis Form-A-Tractor offers to the dealer. I would like to have your proposition
Name . . . State . . .
City . . .
My business is . . .
Territory wanted . . .

C.D.I. Automatic Chemical Fire Extinguisher

The **C.D.I. Automatic** Chemical Fire Extinguisher is the most efficient and practical fire-fighting device for all incipient fires.

All fires start small. To prevent the large property and life-destroying fire, the **little blaze** must be extinguished before it has a chance to grow. Fires grow fast. The larger they become the more difficult they are to extinguish. The **C.D.I. Automatic** acts **instantly**—no pumping, no heavy container to lift and invert. It is necessary only to remove the **C. D. I. Automatic** from its bracket and to pull the lever once; instantaneously a stream more than twenty-five feet in length is ejected by mechanical means. All you do is **aim** and pull the lever **once.** Extinguishers which require pumping distort the operator's aim, because of the body vibration present from the pumping motions. This loss of aim causes a serious waste of fire-fighting fluid. **Every drop** of the **C. D. I. Automatic** Liquid goes directly into the base of the fire—nothing wasted, no jerking or body vibration to throw off the aim, no work to perform — the **C. D. I. Automatic** Chemical Fire Extinguisher does its own work.



Removing the C. D. I. Automatic from bracket

The **C. D. I. Automatic** Liquid is a chemical mixture of powerful gases in liquid form, totally devoid of moisture, making it a non-conductor of electricity. When the **C. D. I. Automatic** Liquid comes into contact with a temperature of 200 degrees or more, the chemical volatilizes **instantly,** absorbing the oxygen in the surrounding air and forming a heavy gas blanket of carbon dioxide and carbon monoxide, which extinguishes the fire without damaging surrounding property. The **C. D. I. Automatic** Liquid contains no acids or alkalis. The **C. D. I. Automatic** Liquid will not spot or stain the most delicate fabrics—oriental rugs, lace curtains, silks, satins—nor will it injure a human being.

YOUR HOME HOLDS THE MOST PRECIOUS THING IN THE WORLD — HUMAN LIFE —

Why Not Protect It?

YOU SHOULD INVEST *NOW* IN C.D.I. AUTOMATIC PROTECTION

FIGHT GASOLINE FIRES FROM A SAFE DISTANCE

The C.D.I. AUTOMATIC EJECTS A 25 FOOT STRAIGHT-LINE STREAM

A woman's hair frequently catches fire. The **C. D. I. Automatic** Liquid may be used with no fear of injuring her skin or scalp. The **C.D.I. Automatic** may be directed by the operator on himself or herself. This would not be possible if the operator were required to pump the device. The **C. D. I. Automatic,** therefore, is the greatest tool ever placed on the market as a protection to human life against accidental fire.

Reasons for the Superiority of the C. D. I. Automatic

AUTOMATIC IN ACTION

The **C. D. I. Automatic** is, as the name implies, automatic. It requires no pumping. It does not depend upon poisonous acids or other chemicals for the pressure generated. The pressure is generated by means of a powerful double coil spring, the efficiency of which is firmly established by accurate laboratory tests, and which cannot deteriorate in the slightest degree. **The C. D. I. Automatic is always ready for instant use.**

NO WASTE OF MATERIAL

Every drop of the **C. D. I. Automatic** goes into the base of the fire. The operator using the **C. D. I. Automatic** Liquid has nothing to do but aim; there is no vibration or side motion or kick to throw off his aim. The extinguisher lies in the operator's hands, to be aimed and pointed as he chooses, without interference of any kind.

ACTS AT ONCE

The **C. D. I. Automatic** ejects a powerful, straight-line stream over 25 feet in length. In waste or rubbish fires the force of this stream means that the liquid is going to eat right down into the very heart of the fire. The operator can always stand at a safe distance away.

CONSERVATION OF CHEMICAL EXTINGUISHING LIQUID

In pumping devices, much liquid is lost or wasted, and the length of the stream depends upon the operator's ability. The **C. D. I. Automatic** ejects a 25 foot stream immediately on a straight line into the base of the fire, without any dripping or loss of the liquid on the ground. As soon as the operating lever is pulled, the stream hits the fire mark.

ALWAYS 100 PER CENT EFFICIENT

A red, automatic warning signal shows that the **C. D. I. Automatic** is fully charged. It is mechanically impossible for this device to be only partly filled. It is always 100 per cent efficient or empty. The **C. D. I. Automatic** Liquid is instant death to any incipient fire. It will not freeze, it will not deteriorate with age, it is a non-conductor of electricity, it will not evaporate in its container, is unaffected by climatic changes or conditions.

PRICES

C. D. I. Automatic Chemical Fire Extinguisher, charged, complete with bracket, each **$20.85**

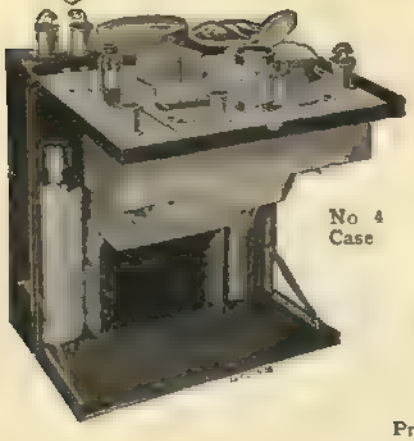
C. D. I. Automatic Liquid, the quart **$2.75**

RECHARGING AND REFILLING

The C. D. I. Automatic may be recharged and refilled an indefinite number of times. This may be done by our Company, at the bare cost of the liquid, or it may be done by the purchaser, using the C. D. I. Refilling Tool, furnished at **$1.10.** This tool will last indefinitely and one will care for a large number of extinguishers.

"Made-Right" Motor Luncheon Case and Table

1863 1917



No 4 Case

Eat in your car, boat or on ground steaming hot or ice cold foods and drinks—table served—any time or place.

Cases artificial leather covering and washable lining. Portable. Stand alone. Removable metal food boxes

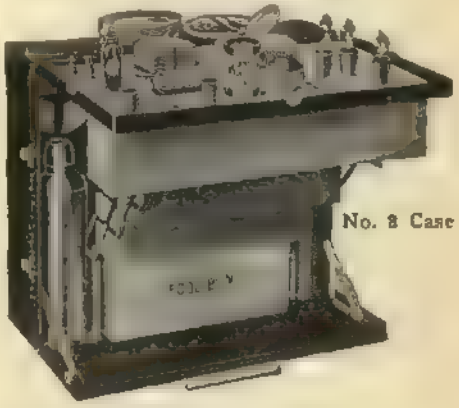
Three sizes, each equipped with cutlery, white enameled dishes, cloth napkins, salt and pepper shakers, etc., all complete for six persons.

Prices

No 2	With extra large food box which also serves as ice box; size outside 24x20x6½ in. ..... each	$32.60
	Fireless Cooker for above, which answers as oven or refrigerator (extra) ..... each	46.30
No. 3	Complete for 6 persons, size outside 23½x20x6½ in..... each	57.90
No. 4	Complete for 6 persons; size outside 19x20x6 in..... each	34.80

Space in each case for three 1-qt Thermos Bottles or Jars.

Thermos Bottles and Jars extra.



No. 2 Case

"Made Right" Combination Luncheon and Suit Case

Convertible from One to the Other Instantly

For motoring, picnicking, traveling, shopping, etc. Enamel drill covering. Neat design washable lining Leather corners Full metal trimmed. Contains nickel-silver knives, forks and spoons imported white enamel plates and cups patented aluminum can't clog, never leak salt and pepper shakers; cloth napkins; one each glass sugar and butter jar.

No. 8 With Contents Removed

Prices

No. 7	Case for 2 persons ..each	$20.85
No. 7	Case for 3 persons ..each	26.65

(Bottles extra)

1 Food Box and spaces for two 1-qt. Thermos Bottles.
Size outside 15x15x6 in

No. 8	Case for 4 persons .each	34.80
No. 8	Case for 5 persons. . each	38.20

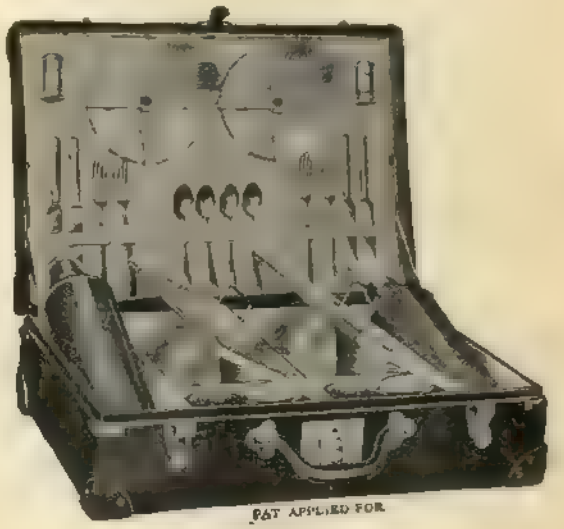
(Bottles extra)

2 Food Boxes and spaces for two 1-qt. Thermos Bottles
Size outside 21x15x6 in.

No. 8	Case for 6 persons..... each	48.60
No 9	Case for 7 persons..... each	52.10

(Bottles extra)

2 Food Boxes and spaces for three 1-qt. Thermos Bottles.
Size outside 25x15x6 in.



No. 8 With Contents

Any standard 1-qt. size Bottle or Jar will fit in spaces provided for Thermos Bottles.

All Prices F. O. B. Chicago.

HAND CARS

"Mascot"—Length 28 in., gilt decorated, red seat, blk enameled steel frame and handle, 6¼ & 8 in. black double spoke wheels, ½ in. rubber tires.
P199—1 in crate, 20 lbs. ... Each, $2.65

"Irish Mail"—Length 40 in., stenciled green enameled seat auto gear, sanded finish solid hickory frame, has greater tension than steel. 8 and 12 in. tinned steel wheels heavy spokes and hubs, ½ in. rubber tires.
P204—1 in crate, 30 lbs. Each, $3.90

"KANGAROO" BALL BEARING HAND CAR

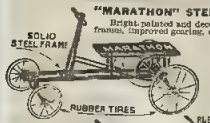
Made on a new principle—the weight of the rider does nearly one-half the work. Runs easier and will go faster with less exertion than any other hand car. Seat has motion similar to that in horseback riding. Making it big hit wherever shown

Seat at High Point Shows how the weight of the rider helps do the work.

P210—Strong steel frame, 31 in. long, 8 and 12 in. wheels, ½ in. rubber tires, chain driven, ball bearing sprocket wheels, frame and handles black enameled, wood grip seat painted red with "Kangaroo" ornament, 1 in crate, 30 lbs. ... Each, $3.50

"MARATHON" STEEL HAND CARS

Bright-painted and decorated seats, baked black enameled solid steel frames, improved gearing, double spoke wheels, ½ in. rubber tires



"Junior Special"—Length 30 in., wood grip steel handle, 8 & 10 in. wheels. For ages 5 to 9 yrs.
P202—1 in crate, 22 lbs. ... Each, $3.10

"Senior"—Length 39 in., wood grip steel handle, 8 & 12 in. tinned steel wheels.
P201—1 in crate, 30 lbs. ... Each, $3.65

"Tandem"—Length 67 in., seats on 1 steel axle, lever and propelling device, 2 pr. foot rests, 10 and 14 in. wheels.
P200—1 in crate, 50 lbs. Each, $4.75

BALL BEARING "SCUDDER CAR"

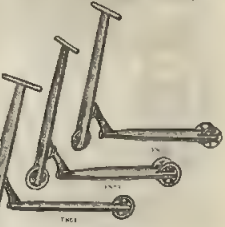
Operated entirely by the weight of the rider—safe and noiseless. Interests children up to 12 years of age and equally suitable to either boys or girls. Serves as a great aid to the physical development of the growing child

Showing Ball Bearing Transmission Gear

P213—Length over all 40 in., width 18 in., ball bearing axle and transmission gear, red enameled steel frame and steering post, 8 in. nickel plated auto steering wheel, black axle and wheels, ½ in. rubber tires. Propelled by rider standing on platform and pushing with alternate movement of rolling board. 1 in crate. Each, $3.75

"ROLLAMOBILES"

PLAIN AND ROLLER BEARING. A beautifully modeled frame of malleable castings, wood parts all double coat varnish finish, nickel parts painted in attractive red, rubber tired wheels, have roller bearings that make the going easy and fast. In addition



With single wheels front and back, oak platforms, 6¼x34 in., extreme handle, 35 in.

P218—Solid metal wheels, ¾ dog. in bdl. Doz $11.50

With double back and single front wheels, wide platform 12½x34 in. easily balanced. Intended for smaller children.

P214—Solid metal wheels, ¾ dog. in bdl. Doz $12 75

P213—½ in. rubber tires and ball bearings, ¾ doz. in bdl. Doz $15.00

P215—½ in. rubber tires and rubber bearings, 1 doz. in bdl. Doz $19.00

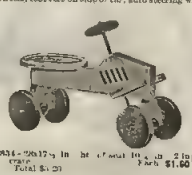
"TODDLE CAR"

P268—Black enameled steel frame, wheels 8 in. front, 4 in. rear, rubber tires, seat 10x8 in. oval, back rest attractively painted in red, height of seat and back rest from floor 14 in. push and guide handle to be formed into entrance to car for in shipping carton. Each, $2.00

BALL BEARING KANGAROO COASTER

P209—Body 30x6, heavy steel frame, wood base, painted red, nickel plated, adjustable bicycle handle bar with cowe bell, metal seat, 12 in. with foot rest, 4 wheels wood turned, steel axles, rear axle running in bearings for easy running, outdoor bag and gear. 1 in crate. Each, $3.60

"TAD-O-BILE"



Made of 1½ in. selected lumber, painted red with black striping, 6½ black solid wood wheels, foot rest on side of car, auto steering wheel

P214—26x17 in. bbl. of nest 10 in., 2 in. crate. Each, $1.60
Total $1.20

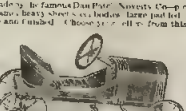
P215—24x22 in. bbl. of nest 12 in., 8 in. crate. Each, $2 50
Total $2.00

"DAN PATCH" AUTOMOBILES

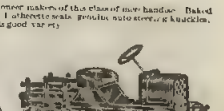
Made by the famous Dan Patch Novelty Co.—pioneer makers of the class of auto handicar. Baked enamel, heavy sheet steel bodies, large pattern seats, genuine auto steering knuckles, ball bearing rear axles, easy operating and steering, solid steel axles, all parts Extra well made and finished. Choose your sleigh from this good variety

Junior Racer—32x11, red enameled body, black trim, large panel seat, rear gasoline tank with wood rim steering wheel, auto steering knuckles, 4 wheel auto steering gear, 6 in. nickel plated wheels, ½ in. rubber tires.
P253—1 in crate, 35 lbs. Each $4.50

Racer—40x14, red enameled body, black trim, dash, radiator front, water plug, gasoline tank, mahogany finish wood rim steering wheel, 10 in. double spoke wheels, ½ in rubber tires
P261—1 in crate, 50 lbs. Each $6.50



Racer—40x15, red enameled body, black trim, gasoline tank in rear, large painted wood seat, mahogany finish steering wheel, auto steering knuckles, 12 in. double spoke wheels, ½ in rubber tires
P259—1 in crate, 62 lbs. Each $6.75



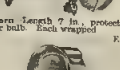
Auto Trucks—Body 48x12 in., panel body painted in bright red, black stripes, wood varnish finish, 12 in. wagon box, 36 in. rubber tired wheels, tail board strap iron, 11 in. adjustable wheel base, 1 in. axles, wheels run on ball bearings, rear axle has ball bearings, rubber tires rear 8 in., steering wheel 10 in., front wheels 6 in.
P270—1 in crate. Each $8.00

Midget Roadster—38x15½, yellow enameled body, red and black trim, cowl dash, radiator front, water plug, gasoline tank in hexagon flush dash and wood rim steering wheel and fringed imitation windshield, steel brace 8 & 10 in. heavy double spoke wheels, ¾ in. rubber tires.
P254—1 in crate, 45 lbs. ... Each, $7.25

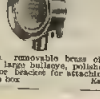
Roadster—55x24, yellow enameled body, black trim, wire radiator, water plug, gasoline tank attachment for extra wheel carried in rear, oak spare seat, brass dash and foot adjustable steering post, on which rod guard, cloth backed seat, nickel steering rod wheel action, 14 in. double spoke wheels, ¾ in. rubber tires.
P268—1 in crate, 98 lbs. ... Each, $11.80

Roadster—51x22, green enameled body, gold trim, wire radiator, water plug, gasoline tank attachment for extra wheel in rear, spring adjustable seat, nickel steering rod wheel action, dashboard and large wood rim steering wheel, 14 in. double spoke wheels, ¾ in. rubber tires, electric lights operated by switch post, button battery.
P264—1 in crate, 80 lbs. Each $13 50

JUVENILE AUTO SUPPLIES



Brass Horn. Length 7 in., protected rod, rubber bulb. Each wrapped
P3042 Each 45c



Lamp—4½ in. removable brass oil found with wick, large bullseye, polished nickeled reflector, bracket for attaching.
P3043—1 in box Each 60c

"KIDDIE KARS"

"Kiddie Kars" Guar yellow paint throughout, well varnished red stained wheels and steering handle on front wheel, parts together with screws, seat shaped for pedaling or coasting 23 in. long, in pkg.

F8317—Length 15 in., ht. of seat 14 in., wheels 4 in. For children 2 to 5 yrs. Doz. **$8.00**

F8318—Length 19 in., ht. of seat 17½ in., wheels 5 in. For children 3 to 7 yrs. Doz. **$12.00**

F8311—Length 19 in., ht. of seat 18½ in., wheels 4 yrs. Doz. **$16.00**

F8315—Length 20 in., ht. 20½ in., ht. of seat 11½, 6 in. wheels . . Doz. **$20.00**

"SCALL-A-WAG" CARS

This style of toy has taken the country by storm. Yellow painted wood frame and seat, red wood wheels, white bone head, steering handle on front wheel, put together with screws, back rails steel-braced, seat shaped for pedaling or coasting

F447—Length 17 in., ht. 15½ in., ht. of seat 9½ in., 5½ in. wheels, for children 2 to 5 years. . ½ doz. in crate . . . . Doz. **$8.50**

F448—Length 18 in., ht. 16½ in., ht. of seat 9½ in., 6 in. wheels for children 3 to 6 years. ½ doz. in crate . . . . Doz. **$11.00**

F449—Length 20 in., ht. 19 in., ht. of seat 11 in., 6 in. wheels. ½ doz. in crate. . Doz. **$15.00**

BALL BEARING TRICYCLES

Improved up-to-date line of these popular children's vehicles. Selected particularly for the discriminating buyer

TRICYCLES—Construction, front wood and rear axle, brackets equipped with steel tie rod ball bearings, large enough for all to be fastened up as one solid axle, reversible handle for pedaling or steering. Color scheme gives strength. Finish, frame, wheels all in fine quality brown, bicycle hammer bakes, tastefully striped, side gears, handle and hub caps, nickel plated. Tires, ¾ in best quality rubber.

F190—Length 28 in., 110 lbs. 3 to 5 yrs., 1 in crate, 60 lbs. . . . . Each, **$5.25**

F191—Length 29 and 17 in., 4 to 6 yrs., 1 in crate, 80 lbs. . . . . Each, **$10.50**

F192—Length 32 and 14 in., 6 to 11 yrs., 1 in crate, 85 lbs. . . . . Each **$14.00**

"CLIPPER" STEEL TIRE VELOCIPEDES

Extra well and strongly made

"CLIPPER" RUBBER TIRE VELOCIPEDES

Well known merchandise at the prices

WOOD SIDE ENGLISH PERAMBULATORS

Gimp trim heavy leatherette upholstered adjustable hoods, extra heavy enameled gear link, double spoke wheels wood side cabs enameled finish, gilt stripes, highly finished in every stage by men.

F2395—Sized maroon and green, ht. in back wood body, gold decorated sides, woodgrain handle, 9 in wheels, rubber tires, steel axles, 4 in crate, 50 lbs. . . . Each, **$1 75** Total $7.00

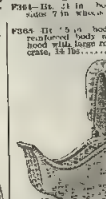
F2348—Assld. brown steel body, 22 in., 17 1/2 in. wood body, gold decorated sides, woodgrain handle, 9 in wheels, ¾ in. rubber tires, steel axles, 4 in crate, 50 lbs. . . . Each, **$1 75** Total $7.00

REED DOLL CABS

All of closely basketwork type, enameled natural color, tipped stencil, long upholstered seat and hood full, reed adjustable hood socket and backrests, green enameled steel gear enameled springs, ¾ in. rubber tires, double spoke wheels.

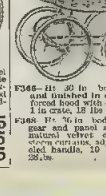
F1632—Ht. 41 in., body 13x33½, 7½ in. wheels, 2 in crate, 10 lbs. Total $3.50 Each, **$1.75**

F1634—Ht. 41 in., body 14x40½, solid reed sides, 7 in. wheels, 1 in crate, 10 lbs. Each **$3.00**



F1364—Ht. 41 in., body 14x40½, solid reed sides, 7 in. wheels, 1 in crate, 10 lbs. Each **$3.00**

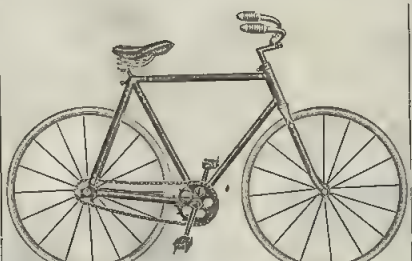
F1365—Ht. 45 in., body 18x40½, new style reinforced body and top closely wound hood with large roll, 7 in. wheels, 1 in crate, 14 lbs. . . . . Each, **$4.00**



F1366—Ht. 40 in., body 24x41, upholstered and finished in cream white, large reinforced hood with heavy roll, 9 in. wheels, 1 in crate, 18 lbs. Each **$5.25**

F1368—Ht. 46 in., body 26x44, English style gear and panel sides, extra large hood, material velvet corduroy upholstered, steering curtains, adjustable foot, wicker sided handle, 10 in. wheels, 1 in crate, 28 lbs. Each **$6.86**

LATEST NOVELTY SOLID RUBBER TIRE BOYS' BICYCLES



SPECIFICATIONS: Frame—18 in. made of ⅝ in. Shelby tubing, flush joints. Finish—Extra heavy black enamel, red head, black sprocket and pedals, nut wheels. Wheels and Rims—20 in. steel rims, enameled to match wheels. Tires—1¾ solid rubber. Cone—17 tooth cone, 9 tooth rear. Saddle—Full Spanish leather, blocked, coil spring cushion model. Handle Bars—Adjustable nickel plated, 16½ in. extension post, leather wound grips with ferrules.

Chain—Diamond block, Mexl. Each, **$8.50**

F160—1 in crate

F161—As above, with ball bearings, barrel hubs, nickel plated sprockets, nickel plated ball-bearing pedals, double coil spring step-rider saddle. 1 in crate Each **$11.00**

SPECIAL "CLIPPER" RUBBER TIRE VELOCIPEDES

High grade velocipedes, made extra strong and reinforced to the parts subjected to the severest strain. They will withstand the rough usage usually given this style of toy and give satisfaction and long service

SPECIAL "CLIPPER"—Red enameled steel frame and wheels, extra strong rear axle supports, padded leather bicycle saddle with nickel plated double springs, wheels plated adjustable handle bar with leather wound grips, ¾ in. rubber tires.

F168—Wheels 16 and 12 in., 3 to 7 yrs., 1 in crate, 29 lbs., Each, **$4.75**

F169—Wheels 20 and 14 in., 5 to 10 yrs., 1 in crate, 37 lbs. Each **5.00**

F170—Wheels 24 and 16 in., 7 to 11 yrs., 1 in crate, 31 lbs. Each, **5.50**

BALL BEARING CLIPPER—High grade, the best made. Steel gray baked enameled wheels and striped frame, extra rear axle supports, adjustable padded leather bicycle seat with double nickeled springs, adjustable handle bars with leather wound nickeled hand grips, forged steel nickel plated ball bearing bicycle pedals, front and rear wheels, ¾ in. rubber tires.

F171—Wheels 16 and 12 in., 3 to 7 yrs., 1 in crate, 28 lbs. Each, **$8.75**

F172—Wheels 20 and 14 in., 5 to 9 yrs., 1 in crate, 30 lbs. Each, **9.25**

F173—Wheels 24 and 16 in., 7 to 11 yrs., 1 in crate, 33 lbs. Each, **9.75**

"Built and Sold for Everlasting Service"

DAY-ELDER MOTORS CORP. D WORM DRIVE E NEWARK N.J. U.S.A.

WORM DRIVE E MOTOR TRUCKS

Find the Man!

That is the Mission of This Announcement — To Find the Man—THE Man—in Your City to Cash In on This Unusual Opportunity

Are you that man? Here's the proposition: We are building a line of Motor Trucks—D-E WORM-DRIVE Motor Trucks that are making a lot of dealers BIG profits, QUICK profits and EASY profits.

Such a remarkable proposition deserves to be handled by a remarkable man a SUCCESSFUL man—because the two GO TOGETHER.

We are building four remarkable motor trucks—

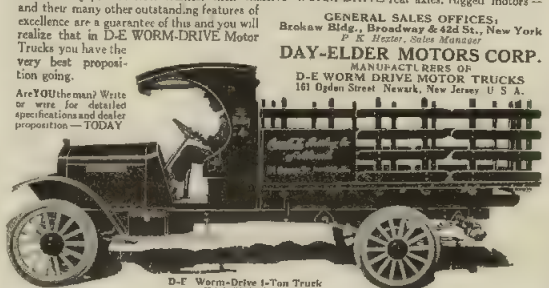
¾ Ton, $975 1 Ton, $1250 1½ Tons, $1500 2 Tons, $2000

—each of which is a marvel of efficiency, and a value for the money absolutely without an equal anywhere in the United States. They are Motor Trucks with specifications that FURNISH THE ARGUMENT FOR SELLING—and CLINCH the sale every time they are presented RIGHT. These Motor Trucks are REAL Motor Trucks—built to WORK and to WEAR. Their sturdy pressed-steel frames, their massive WORM-DRIVE rear axles, rugged motors—and their many other outstanding features of excellence are a guarantee of this and you will realize that in D-E WORM-DRIVE Motor Trucks you have the very best proposition going.

Are YOU the man? Write or wire for detailed specifications and dealer proposition—TODAY

GENERAL SALES OFFICES,
Brokaw Bldg., Broadway & 42d St., New York
P. K. Hexter, Sales Manager

DAY-ELDER MOTORS CORP.
MANUFACTURERS OF
D-E WORM DRIVE MOTOR TRUCKS
161 Ogden Street Newark, New Jersey U. S. A.



D-E Worm-Drive 1-Ton Truck With Stake Body

G.W. HUNTLEY © CHICAGO

The Finest Line of Decorated China Made

1863 1917

Each Piece is Absolutely Perfect. The Subjects are Treated Naturally and Gold is Used Without Stint. Cost—Not a Consideration. Results—Best on the Market.

VASE
Aburbrae decoration.
Height 15½ inches
No. F135 Each $44.92
Height 13¾ inches
No. F136 Each 16.83

VASE
Encrusted gold and lily of the valley decorations.
Height 12 inches
No. F137 Each ..$13.08

VASE
Diana decorations in red gold and buff, with floral centre.
Height 13 inches
No. F138 Each ..$18.58

VASE
Grape conventional design and gold all over
Height 12 inches
No. F139 Each ..$22.25

VASE
Moorish red and inlaid gold decorations.
Height 15½ inches.
No. F140 Each $35.92
Height 11 inches.
No. F141 Each 20.25

WATER JUG
Diana decorations
Height 8 inches.
No. F142 Each $15.25

HONEY JUG
Rose decorations.
Pink roses with gold background and silver band, gold and red trimmings.
No. F143 Height 6½ inches.....each $10.83

LEMONADE JUG
Floral decorations.
No. F144 Height 9½ inches.....each $15.92
TUMBLER TO MATCH
No. F146 Height 3⅛ inches.....each 3.80

VASE
Indian decorations.
Height 10½ inches.
No. F147 Each $14.83

COFFEE AND CHOCOLATE SET
Cleopatra decorations in blue, black, gold and red colorings

No. F148	Coffee cup and saucer, height 2¾ inches	each $5.83
No. F149	Chocolate cup and saucer, height 3¾ inches	each 5.42
No. F150	Individual cake plate, diameter 7½ inches	each 6.34
No. F151	Coffee pot, height 9 inches	each 14.83
No. F152	Chocolate pot, height 10¾ inches	each 17.25
No. F153	Sugar and cream set, height 4¾ inches	per set 12.34

VASE
Il flori De Vinacia decorations
No. F154 Height 10½ inches, each $17.25
No. F155 Height 8½ inches, each 3.75
No. F156 Height 6¼ inches, each..... 4.92

G.W. HUNTLEY © CHICAGO

The Finest Line of Decorated China Made

1863 1917

Each Piece is Absolutely Perfect. The Subjects are Treated Naturally and Gold is Used Without Stint. COST—Not a Consideration. RESULTS—Best on the Market.

SALT AND PEPPER
White and gold.
Old English
initial decorations.
Any initial.
Height 3½ inches.
Per pair
No. F157..... $2.75

SALT AND PEPPER
White and gold.
Old English
initial decorations.
Any initial.
Height 3½ inches.
Per pair
No. F158.....$2.75

SALT AND PEPPER
White and gold.
Old English
initial decorations.
Any initial.
Height 3½ inches.
Per pair
No. F159. $3.37

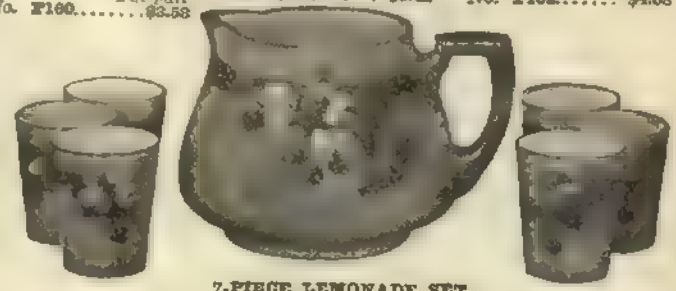
SALT AND PEPPER
Tiger lily
conventional
decorations.
Height 3 inches.
Per pair
No. F160.....$3.58

SALT AND PEPPER
Diana pattern
decorations.
Height 3½ inches
Per pair
No. F161 ..... $5.42

SALT AND PEPPER
Corinthian
decorations
Height 3¼ inches
Per pair
No. F162..... $4.08

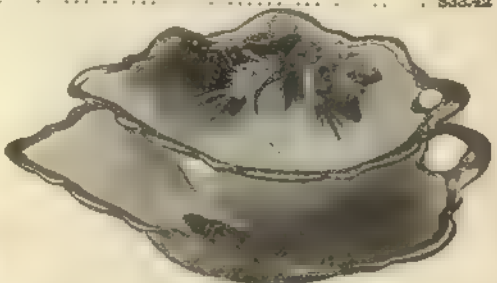
SUGAR AND CREAM SET
Poinsetta enameled decorations.
Height of sugar 3 inches.
Height of cream 2 inches.
No. F163 Per pair $9.00

SUGAR AND CREAM SET
Plain white, gold stripe, with any
old English initial decoration.
Height of sugar 2⅝ inches.
Height of cream 2 inches.
No. F164 Per set $5.00



7-PIECE LEMONADE SET
Blackberry or other conventional decorations.
Height of jug 6 inches.
Height of cup 3½ inches.
No. F165 Per set $33.42

7-PIECE CAKE SET
White and rose decorations
Plate diameter 9½ inches.
No. F166 Per set ...$17.92

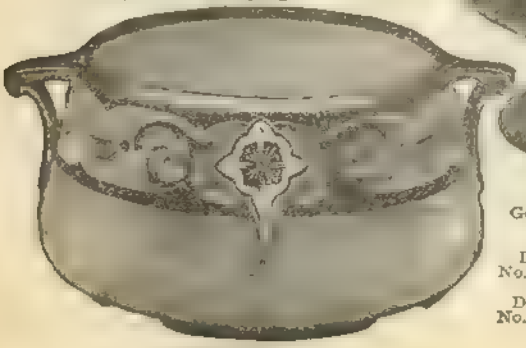


MAYONNAISE BOWL
White and gold, pine cone or conventional
decorations. Diameter 6 inches.
No. F167 Each $9.92

BREAD TRAY
Persian historical conventional decorations.
Length 14 inches
No. F169 Each $10.34

NUT BOWL
Pansy and pine cone decorations
Length 6½ inches
No. F168 Each $9.92

SALAD BOWL
Gold and Moorish red
background.
Grape decorations.
Diameter 14 inches.
No. F172 Each . $44.92
Same as above.
Diameter 12½ inches.
No. F173 Each ..$42.87



FERN DISH
Persian or Alhambra decorations.
No. F170 Diameter 10½ inches each $19.58
No. F171 Diameter 7⅝ inches each 9.92

FRUIT BOWL HANDLED
Dark strawberry and gold decorations
No. F174 Diameter 11 inches .....each $22.25

DENBY

TRUCKS

FOR TRAIL OR PAVEMENT

THERE was, perhaps, just one bit of good from the freight shortage this winter. It awakened millions of persons the country over to the possibilities of motor-haulage as nothing else could have done. For the motor-vehicle took the place of the stalled freight car in supplying necessities to many a community.

The motorization of transportation on the farm and in the city looms up as a certainty of the near future. The dealer who is handling a dependable truck will reap a financial harvest undreamed-of in other fields.

Denby Trucks are dependable. And therein lies their greatest sales-power. For though we have never built a "bargain" truck, there is no better bargain than a Denby. And though we have never held cheapness as a desirable thing, there is no cheaper truck than the Denby in service per dollar.

A pioneer in the internal-gear field, the Denby has made the internal gear a synonym for economical efficiency. Hundreds of people in your territory are waiting for such a truck.

Denby Motor Truck Co.
Dept. D. **Detroit, Michigan**

FOUR MODELS
—1 to 2½ tons in rating.

DASH LANTERNS

No. 120

Hot Blast, large tin fount, No. 0 burner and globe, painted red.

No. **120.** Per Dozen..... ..... . $12 00

No. 151

Cold Blast, large tin fount, No. 2 burner and globe, with side and dash attachment, painted red.

No. **151.** Per Dozen $18 00

No. 471

Cold Blast, extra large tin fount, No. 2 burner and globe, painted red.

No. **471.** Per Dozen..... ... $21 00

DIETZ LANTERNS

XLCR

Insulated rigid bale, No. 2 burner, polished tin frame and fount. Finest railroad lantern made. No. 0 burner.

Per Dozen $28 00

CONDUCTORS'.

Nickel plated brass frame; hinged top; burns signal oil, uses No. 3 conductors' globe; ⅝ inch wick; burns 13 hours with one filling. Height over all, 9½ inches Weight per doz., 45 lbs.

No. 3 with White Globe Per Doz. $72 00

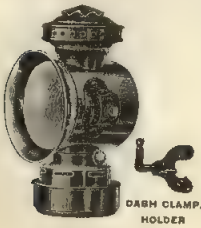
RAILROAD.

Vulcan.

Wire bottom; single guard; burns lard oil or railroad signal oil; hinged top and removable globe; ⅝ inch wick.

Vulcan No. 39 . .....Per Doz $18 00

EUREKA DRIVING LAMPS



Dietz "Eureka" Driving Lamp is but 7¼ inches high and is made of cold rolled steel. It has a 3-inch door lens, a ruby rear lens and the fount holds an oil supply for 10 hours burning.

This lamp is the smallest practical driving lamp on the market and is ideal for those who like a small lamp, yet strictly complying with all night driving laws.

Furnished only in black enamel with nickel plated door rim. Packed with Dash Clamp Holder.

Per Dozen $21 00

Packed One Dozen in a Case

LANTERNS

PRISCO

No. 19—Road Lantern

Light efficiency, 17.6 candle power, black japan finish; No. 1 brass burner and cone; ⅝ inch wick; Pony C. B. semi ruby vertically divided globe, bullseye. Packed ½ dozen in case. Weight, 24 lbs. per case. Bracket included to attach to vehicle.

Per Dozen $18 00

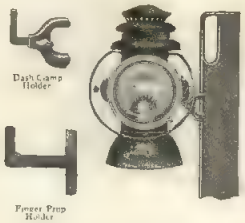
PRISCO

No. 21 Road Lantern

Light efficiency, 17.6 candle power; black japan finish; No. 1 brass burner and cone; ⅝ inch wick; bullseye white globe rear fresnal red bullseye. Packed ½ dozen in case. Weight, 24 lbs. per case. Bracket included to attach to vehicle.

Per Dozen $22 00

PRISCO



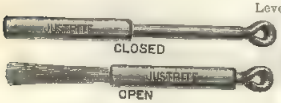
Cold Blast Driving

Black japan finish, nickel plated rim; No. 1 brass road burner and cone, ⅝ inch wick; magnifying front lens, rear ruby lens; polished reflector, extra large fount; one side and one dash bracket. Conforms to state laws. Packed ½ dozen in case. Weight per case, 21 lbs.

Each $3 50

JUSTRITE MINERS LAMPS

Lever Feed. Valve Control, with Lighter Attachment



TIP CLEANERS

No. 74—Self Guiding

Each $0 15
Per Doz. 1 60

No. 58

Nickel plated, 2¼ inch reflector, with No. 31 extra bottom

Each $1 25

No. 85

Polished brass, 2¼ inch reflector, with No. 77 carbide can

Each $1 00

No. 100

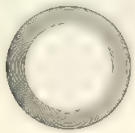
Nickel plated Hand Lamp. Large reflector, two handles.

Each $1 50

No. 95

Nickel plated Hand Lamp Extra large reflector, two handles

Each $2 00



GASKET

No. 60—Flat Rubber

Each $0 05
Per Doz. 0 25

CARBIDE CAN

	Each
No. 76, 7 oz. size	$0 15
No. 77, 10 oz. size	0 15

REPAIR OUTFITS

Contents: 6 doz. No. 60 Gaskets, 3 doz. No. 62 Felts, 12 doz. No. 66 Tips, 1 doz. No. 74 Tip Cleaners, 1 doz. No. 64 Felt Holders

Each $5 00

BURNER TIPS

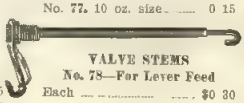
No. 66—Lava, with Air Holes

Each $0 05
Per Doz. 0 25

FELT PACKING

No. 62

Each $0 05
Per Doz. 0 30



VALVE STEMS

No. 78—For Lever Feed

Each $0 30
Per Doz. 2 50

G.W. HUNTLEY & CO. CHICAGO

Fine Dress Derbies and Soft Hats

Style and Quality Our Specialty. PRICES EACH. Regular Stock Sizes 6⅝ to 7¼

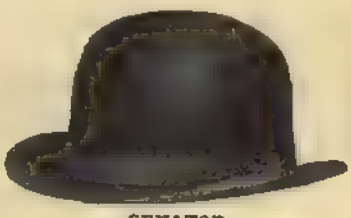
1863 1917

HARMON
Flat Set Stiff Hat
Dimensions 5x2

No. 2392	Extra quality, each	$7.10
No. 6162	Easy fitting grade, each	5.30
No. 7702	Good quality, each	4.85
No. 7752	Silk lined, each	4.40
No. 7882	Fur felt, each	3.55
No. 7662	Satin lined, each	3.10

MORTON
Leading Fall Block
Dimensions 5⅛x2⅛

No. 2432	Extra quality, each	$7.10
No. 5002	Easy fitting grade, each	5.30



SENATOR
Full Shape Derby
Dimensions 5⅛x2¼

No. 2362	Extra quality, each	$7.10
No. 5102	Easy fitting grade, each	5.30
No. 7792	Fur felt, each	3.55

THAYER
Best Fall Style
Dimensions 5½x2⅝

No. 22972	Pearl, each	$7.10
No. 22982	Dark steel, black band, each	7.10
No. 22992	Seal brown, each	7.10
No. 23062	Blue, each	7.10
No. 24092	Bronze, green band, each	7.10
No. 24032	Tan, black band, each	7.10
No. 24022	Emerald green, each	7.10
No. 24052	Blue, black band, each	4.85
No. 24062	Pearl, each	4.85
No. 24072	Green, each	4.85
No. 24082	Belgium tan, each	4.85
No. 24092	Bronze, green band, each	4.85

[illegible]
Fleet Curl Brim
Dimensions 5⅝x2¼

No. 24832	Resida pearl, each	$7.10
No. 24852	Dark steel, each	7.10
No. 24842	Azure green, each	7.10
No. 24872	Azure green, each	4.85
No. 24882	Dark steel, each	4.85
No. 24892	Resida pearl, each	4.85

ARLINO
Lined Light Weight Hat

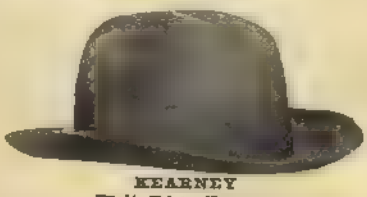
No. 21782	Black, each	$7.10
No. 21792	Brown, each	7.10
No. 21802	Light gray, each	7.10
No. 21932	Dark steel, each	7.10
No. 33382	Blue, each	4.85
No. 33802	Black, each	4.85
No. 23182	Steel, each	4.85
No. 27522	Tan, each	4.85
No. 20392	Green, each	4.85

ELTON
Beautiful Design
Dimensions 5⅝x2⅜

No. 23792	Belgium, green band, each	$7.10
No. 23802	Light green, each	7.10
No. 23822	Blue combination, each	7.10
No. 23812	Pearl, black band, each	7.10
No. 24502	Dark green, each	7.10
No. 24542	Belgium, green band, each	4.85
No. 24532	Light gray, black band, each	4.85
No. 24522	Light green, each	4.85
No. 24552	Dark green, each	4.85

[illegible]
Young Men's Alpine

No. 33832	Pearl, black band, each	$3.55
No. 21212	Black, each	3.55
No. 22172	Brown, each	3.55
No. 22182	Steel, each	3.55



KEARNEY
Welt Edge Trooper

No. 24672	Black, each	$4.40
No. 24682	Green, each	4.40
No. 24692	Steel, each	4.40
No. 23452	Black, each	3.55
No. 23462	Blue, each	3.55
No. 23472	Steel, each	3.55
No. 22582	Brown, each	3.55

TAUNUS
Raw Edge Fedora
Dimensions 5⅛x2¾

No. 16042	Black, each	$7.10
No. 17832	Brown, each	7.10
No. 17432	Black, each	4.85
No. 17632	Black, each	3.55

[illegible]
Dimensions 6x3

					Each
No. 13202	Black	No. 13212	Nutria		$7.10
No. 13182	Black	No. 13192	Nutria		5.30
No. 13152	Black	No. 13162	Nutria		4.85
No. 13132	Black	No. 13142	Nutria		4.40
No. 13102	Black	No. 13112	Nutria		3.55
No. 13082	Nutria				2.70

NORTHWESTERN CRUSHER

No. 34752	Black, each	$7.10
No. 34742	Black, each	5.30
No. 34002	Black, each	3.55
No. 34182	Black, each	2.70

PANTORIS
Dimensions 4⅝x2⅜

				Each
No. 19372	Black	No. 18852	Brown	$7.10
No. 19272	Black	No. 19282	Brown	4.85
No. 18032	Black			4.40
No. 19352	Black	No. 19432	Brown	3.55

GRAECO
Dimensions 4⅝x2⅜

No.		No.		Each
11092	Black	11102	Belly nutria	$7.10
11072	Black	11082	Belly nutria	4.85
11052	Black	11062	Belly nutria	4.40

TURBAN CRUSHER

No.		No.		Each
33732	Black	32742	Pearl	$5.30
34772	Black	34862	Pearl	3.55
32352	Black	32362	Pearl	2.70

Fine Boys' Telescope, Child's and Men's Fall and Winter Caps

Prices Each

Nobby Boys' Telescope

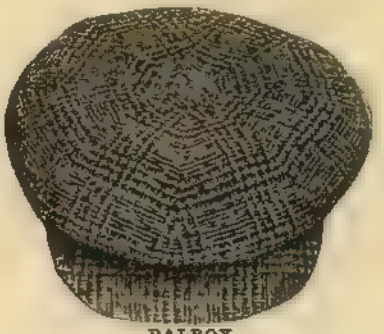
No. 41282 Blue, each $2.70
No. 41272 Black, each 2.70
No. 41292 Steel, each 2.70
No. 41552 Blue wool, each.. .. 1.35
No. 41582 Black wool, each. 1.35

CHILD'S CLOTH BAH BAH

No. 93862 Brown stripe, each... .. . $1.35
No. 93032 Black plush, each.... 1.35

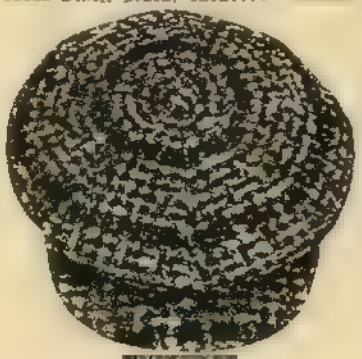
CHARLES
Inside Band

No. 92572 White striped chinchilla. $1.35
No. 92562 Blue striped chinchilla..... 1.35



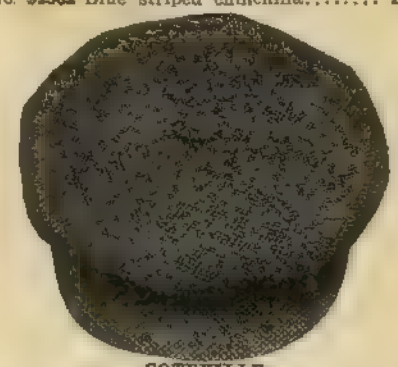
DALROY
Hudson Inside Band

No. 88782 Olive plaid, each.. .. ....$2.70
No. 88772 Grey plaid, each..... 2.70



Varsity Model

No. 4342 Grey
No. 4352 Brown, each $2.35
No. 4532 Grey
No. 4522 Green, each 1.35



COTEVILLE
Golf Model

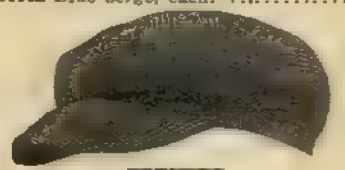
No. 8172 Grey Suiting, No. 8092 Black and white striped, each $2.35
No. 4392 Green fancy, No. 80952 Blue serge, each 2.25
No. 80002 Blue serge, each. 1.35

ASHBY
Varsity Model

No. 4112 Fancy plaid, each.. . .....$2.35
No. 4102 Fancy mixture, each.. . .. 2.35

GARFIELD
Varsity Model

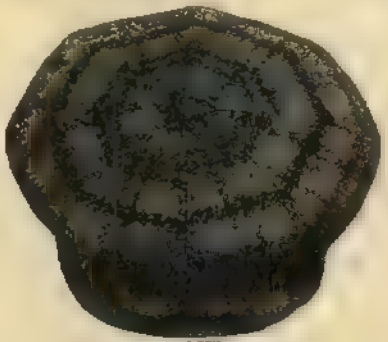
No. 4332 Grey mixture, each... . $2.25
No. 4292 Brown mixture, each. . 2.25
No. 80952 Blue serge, each . . 2.25
No. 4442 Grey fancy, each.... .. . 1.35
No. 80002 Blue serge, each..... ... 1.35



No. 4762 Fancy plaid, each $2.70
No. 4792 Shepherd check, each..... .. 2.70
No. 4113 Loud Scotch mixture, each..... 2.35
No. 4972 Grey fancy mixture, each.. . 2.35
No. 8252 Shepherd plaid, each..... 2.35

PAISLEY
Fur Lined Inside Band

No. 89432 Grey cheviot, each $2.70
No. 89442 Brown rough, each 2.70
No. 87962 Grey mixture, each 2.25



AYR
Fur Lined Inside Band

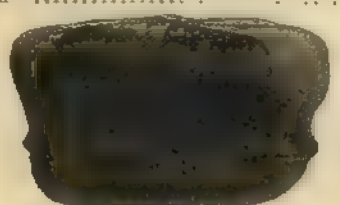
No. 89452 Brown and olive mackinaw, each $2.70
No. 88862 Grey and olive mackinaw, each 2.70
No. 88532 Brown mackinaw, each..... 2.25
No. 88522 Blue mackinaw, each 2.25
No. 87462 Olive and blue mackinaw, each 2.25

GLENGARY
Fur Lined Inside Band

No. 88892 Blue serge, each..... $2.70
No. 88762 Fine grey stripe, each.. . .. 2.35
No. 88952 Fine brown stripe, each.. . . 2.35
No. 87772 Blue fancy, each..... . . 1.35
No. 87842 Grey knob, each..... . 1.35
No. 89472 Brown fancy, each . . . 1.35

PLUSH HAVELOCK
Fur Lined Inside Band

No. 87612 Rainproof Havelock, each $3.55
No. 87592 Plush, each 2.70
No. 87582 Brighton, each 2.70
No. 87572 Havelock, each . . . . [redacted]
No. 87662 Outside pulldown, each. [redacted]
Leather Havelock
No. 89142 Black, each $2.70



DONEGAL
Fur Lined Inside Band

No. 88872 Blue serge, each.... ... $2.70
No. 85912 Black leather, each..... ... 2.25
No. 87602 Black plush, each. . 2.70
No. 88332 Grey silk, each.. 2.25
No. 87672 Blue serge, each . . 1.35

Fur Lined Inside Band

No. 88912 Fine blue kersey chamois lined, each $2.70
No. 88882 Blue serge, each. 2.70
No. 88372 Black kersey, each..... 2.35

$16 with Yale Autolock Switch

THE K-W FORD MASTER VIBRATOR

The standard by which all others are judged

The K-W Ford Master Vibrator is the same as the regular model except it is designed and adjusted especially for the Ford Magneto. The K-W Master Vibrator gives you perfect syncronism, with more power, surer ignition and only one adjustment instead of four.

With K-W Kick Switch $15.00
With Autolock Switch 16.00
Yale Autolock, to change old type to new 3.50

$15 with Regular Kick Switch

ROAD SMOOTHERS

Like the Master Vibrator and other K-W Products K-W Road Smoothers are built up to a standard, not down to a price

The helical spring takes up shock, the air cushion chamber with the carefully made piston checks rebound—the anti-side motion links prevent side-motion and the chassis from getting out of alignment—this combination smooths out the roughest roads.

K-W Road Smoothers are all of one quality and built the K-W way. Of course you get phosphor bronze bushings throughout—high grade, heat treated drop forgings and electric smelted vanadium steel springs, but you get far more. You get that K-W guarantee for satisfactory, "no-worry" service. Ask any one of the half a million users of K-W products what this service is.

Per Pair, either Front or Rear $9 50

NOSHOK SHOCK ABSORBER

The Noshok Shock Absorber for Ford automobiles will make your car ride 100 per cent easier, cut down your tire bills 25 to 50 per cent and add years to the life of your car.

The oscillating motion of the Noshok Shock Absorber is more sensitive than a perpendicular coil spring would be. Their sensitiveness of action automatically takes up and destroys jars and jolts, heavy or light, not only absorbing the shocks but preventing the rebound, and to the occupant of the car it seems like riding in a boat on a quiet sea.

They are efficient and easy to apply. They simply take the place of the spring shackles and can therefore be applied without removing the rear wheels or tearing down the front axle. No special tools are required, as they are attached to the original bracket already on the car, do not alter the slant of the axle found so essential by the Ford Motor Co., and therefore do not change the driving of the car.

Per Set $7 50

AUTOMOBILE CLOCKS

Duane

Frisco

Shasta

Frisco Cowl

Denver Cowl

Duane—This is a watch mounted in a nickel plated brass case. Each $3 00
Frisco—A nickel plated brass clock with 2½-inch dial ..... Each 3 00
Shasta—An eight-day nickel plated clock with 2⅝-inch dial ..... Each 6 00
Frisco Cowl—A nickel plated brass clock with japanned rim and 2½-inch dial Each 3 50
Denver Cowl—A nickel plated brass eight-day clock with 2⅝-inch dial . Each 6 50

E. V. Rickenbacher | Dario Resta | Ralph De Palma | John Aitken

WHAT THEY ALL SAY

Resta Says

It gives me great pleasure to inform you that the Bosch Magneto which I have successfully used in the 1916 season has given every satisfaction and has enabled me to gain first honors in the A. A. A. Championship. I used the same magneto throughout the season and never in one instance had the slightest trouble or misfire,

Dario Resta

Aitken Says

No small part of my success was due to the wonderful and consistent performance of the Bosch Magneto with which my Peugeot car was equipped for every race in which I competed.

If the various parts of which an automobile is composed gave as little trouble as do Bosch Magnetos, the trials of a racing driver would be few, indeed.

John D. Aitken

Rickenbacher Says

I feel as though you would be very pleased to hear that during the entire season my cars were equipped with Bosch Magnetos, which gave perfect results. In fact, there wasn't a time during the past six months of racing that I can remember the motor missing a single shot which was due to faulty or defective magnetos

E. V. Rickenbacher

De Palma Says

The continuous use of Bosch for eight years is an expression in itself as to what I think of the dependability of this type of ignition

I finished fourth in the Championship Races of 1916, but in no instance can I lay the difficulties to my Bosch Magneto.

For efficiency I cannot think of any other magneto that would give me as much satisfaction.

Ralph De Palma

BE SATISFIED Correspondence Invited **SPECIFY BOSCH**

BOSCH MAGNETO CO., 205 West 46th Street, New York

CHICAGO DETROIT SAN FRANCISCO

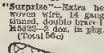
Service Stations in Every State

WIRE GOODS

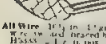
Most any store can profitably carry a line of these quick selling wire goods specialties. This merchandise is always in demand and pays generous profits the year 'round. Study these pages of wire goods carefully. Compare the prices and you will find we can save you money. Our goods are retinned with **pure tin** not with a lead and tin composition commonly used on other popular priced goods. Nor do we handle extremely light weight goods. Order a stock of these fast selling wire specialties. Get your share of this profitable business.

WIRE EGG BEATERS

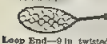
"Surprise"—Extra heavy, 10 in. woven wire, 14 gauge frame, retinned, double brace handle. H5832—2 doz. in pkg.... Doz. 28c (Total 56c)



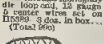
All Wire—10½ in., 14 gauge retinned wire coil and braced handle. H5834—2 doz. in pkg. (Total 64c) ... Doz. 32c



Loop End—9 in. twisted shank, turned mahogany finish handle, loop end. 12 gauge wire frame, 9 upright wires set on edge. H5836—2 doz. in box.... Doz. 33c (Total 66c)

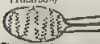


Black Enameled Handle—11 in., retinned wire, twisted shank. H5838—2 doz. in box. Doz. 28c (Total 56c)

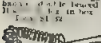


"Jersey"—11 in., 13 gauge retinned brace wire, 4 in. bowl. H5840—2 doz. in box. Doz. 42c (Total $1.82)

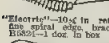
"Electric"—10½ in. retinned wire, five spiral edge, braced handle. H5854—1 doz. in box. Doz. 45c



Egg or Cream Whip—11 in., 14 gauge heavy retinned wire, tin bound handle, strongly made. H5844—2 doz. in box.... Doz. 78c (Total $1.56)

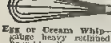


"Puritan"—11 in. heavy retinned chain center twisted wire shank, baked white japanned hardwood handle. H5847—2 doz. in box. Doz. 45c



Extra Heavy Retinned Loop—Center wire is 13 in. square tinned handle. H5877—2 doz. in box .. Doz. 62c

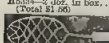
A. & J. AUTOMATIC EGG AND CREAM WHIP



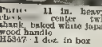
H5826—13¾ in. long, 4 retinned dashers, reciprocating movement, heavy coil spring, 16 mahogany finish handles, 1 helical gear. 1 in box ... Doz. 82c

AUTOMATIC EGG BEATERS

Wings revolve when handle is pressed.



H7217—12 in. retinned wire with spiral beaded steel frame, spiral tinned steel wings, 1 in. handle. 1 doz. in box ... Doz. 64c



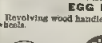
H5831—11 in. heavy retinned wire with spiral, tinned coil shaft and four tinned wire Japanned handle screw ferrule. 2 doz. in box .... Doz. $1.40

"TURBINE" EGG BEATER

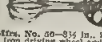
H5827—10 in., cold rolled stamped steel, lateral revolving 3 in. wheel, 3 in beating disc whips eggs in shallow saucer. 1 doz. in box Doz. 92c

"DOVER" PATTERN EGG BEATERS

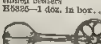
Revolving wood handles on driving wheels.



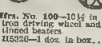
Mfrs. No. 80—8½ in., 2¾ in. cast iron driving wheel and handle, retinned beaters. H5835—4 doz. in box.... Doz. 75c



Mfrs. No. 100—10½ in., 3 in. cast iron driving wheel and handle, retinned beaters. H5326—1 doz. in box.... Doz. 88c

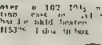


Dover No. 102—10½ in., 3 in. cast iron driving wheel and handle, retinned flared beaters. H537½—1 doz. in box Doz. $1.10

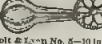


Holt & Eyer No. 5—10 in., 3 in. cast iron driving wheel and handle, improved, retinned flared beaters, beats as light as best hand whips. H5329—1 doz. in box. Doz. $1.20

Ladies' Double Beater—10½ in., 3 in. cast iron driving wheel and handle, improved retinned flared beaters, beats with almost incredible rapidity, and stands by itself when not in use. H5837—1 doz. in box Doz. $1.80

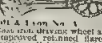


Holt & Eyer Hotel Size—12¾ in., 3¾ in. cast iron driving wheel and handle, improved extra large retinned flared beaters. H5328—½ doz. in box Doz. $2.20



Extra Large Size—12½ in., 3¾ in. heavy iron driving wheel, double both sides 3 times ordinary power, new offset handle, powerful enough for beating butter, dough etc. H5336—½ doz. in box Doz. $2.25

COFFEE AND TEA POT STAND



H5439—6 in., bright silvered wire. 1 doz. in box.... Doz. 45c

"ROBERTS" LIGHTNING MIXERS

Egg Beater and Cream Whip—Heavy glass jar, pure white nickel plated cap, perforated 4 flanged mixer with reciprocating rod. Each in carton. H5339—1 pt. 1 doz. in case. Doz. $2.85

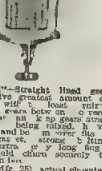
H5340—1 qt. ½ doz. in case. Doz. $4.50

THE NEW "KEYSTONE" BEATER

Mixes or whips quicker and better than any other in the market. Cream, mayonnaise, batter, eggs, fruit, etc. Can also be used as butter churn.

H5341—Ht. 12 in. Top heavy covered glass jar, graduated on 4 sides by fractions to ½ pint, tea and coffee measure, inside which is self starting cone, nickel plated rod fitted steel driving rod and bell, detachable 8 loop patent wire whip, heavy nickel plated over open frame, absolutely sanitary. Each in carton. Each, 90c

"UNIVERSAL" CHURNER AND WHIPPER Landers, Frary & Clark



"Universal"—Straight lined gear drive, gives greatest amount of efficiency with least power. Gears run entirely in oil, no grease cups to get out of order. Dasher is fitted with a metal top and bottom with wire fingers, rubber gasket, strong handle clamps, with 20 inch long dasher, makes solid churn securely to table. 1 in box. H5961—(Mfr. 28) actual churning capacity, 4 pts. Each $1.85

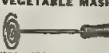
H5962—(Mfr. 35), actual churning capacity, 6 pts. Each $2.20

Extra Glass Jars for above—

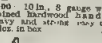
H5965—fits H5961 churn. Each $0.55

H5963—" " H5962 " " 72

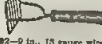
VEGETABLE MASHERS



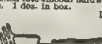
H5300—10 in., 8 gauge wire, red stained hardwood handle, extra heavy and strong way to clean. 1 doz. in box Doz. 22c



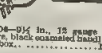
H5282—9 in., 13 gauge wire, double twisted into smooth hardwood handle. 1 doz. in box. Doz. 40c



H5306—9½ in., 13 gauge retinned wire, black enameled handle. 1 doz. in box. Doz. 45c



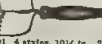
H5301—4 styles, 10¾ in., 12 gauge wire, retinned with pure tin, 6 in. mahogany finish 5¼ in. hardwood handles. Asstd. 3 doz. in corrugated carton. (Total for asst. 90c) Doz. 45c



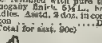
H5294—8¼ in., 11 gauge retinned wire, double twisted into polished hardwood handle. 1 doz. in box. Doz. 54c

Double Twisted—Retinned wire, 4 strands double twisted into black enameled wood handle. 1 doz. in box

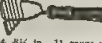
Length	Gauge		
H5295—	8½	11	Doz. $0.48
H5297—	10	10	.54



H5305—10½ in., 9 gauge wire, 6 bars, retinned double twisted shank, black enameled, cherry & varnished hardwood handles, asstd. 1 doz. in box Doz. 72c

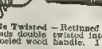


H5298—10½ in. 10 gauge retinned wire, twisted frame, double twisted into black enameled wood handle. 1 doz. in box Doz. 60c

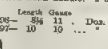


H5299—10½ in., 7 gauge heavy retinned wire, twisted with pure tin, baked white japanned hardwood handle. 1 doz. in box... Doz. 84c

H5404—10 in., 11 gauge retinned wire, closely woven wire masher, double twisted sides, baked white japanned hardwood handle. 1 doz. in box. Doz. 92c

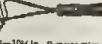


H5307—10 in., 10 gauge wire, retinned with pure tin, closely woven masher, double twisted sides, baked white japanned hardwood handle. 1 doz. in box. Doz. 89c

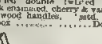


H5278—[illegible] 10 gauge wire, retinned with pure tin, [illegible] handle, [illegible] baked white japanned hardwood handle. 1 doz. in box. Doz. $1.75

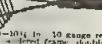
VEGETABLE LADLES



Wire Handle—4½x4 bright wire bowl, 8½ in. wire handle. H5842—1 doz. in pkg... Doz. 54c

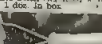


"Puritan"—retinned wire bowl, 5 in. bowl, white japanned handle. H5850—1 doz. in box Doz. 68c

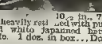


Wood Handle—4½x4, retinned wire bowl, stained wood handle. H5843—1 doz. in pkg. Doz. 62c

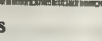
FLOUR SIFTERS



"Shaker"—6½x5, 20 lb. retinned plate, nickel plated tinned wire agitator, bottom, black enameled wood sides, operated with one hand. H5385—1 doz. in carton, 9 lbs. Doz. $2.15



"Special"—6½x5, very heavy selected steel, each planished, turned edges top and bottom, steel agitators, fine wire sieve, black enameled wood knob. H5391—1 doz. in crate 15 lbs. Doz. $2.15



"Prize"—6½x5, nickel plated 100 lb. tin, double turned over top and bottom, 4 agitators black enameled crank, knob and handle. H5382—1 doz. in wood case 15 lbs. Doz. $2.25

90 LB. RETINNED FLOUR SIFTERS

Big value items for you to resell at a popular price. Compare these values with what others offer.

H5378

"Success"—6½x5, 90 lb. retinned plate, turned edge, nickel plated tinned wire agitator, bottom and sides of fine wire cloth, black enameled wood knob, agitator handle and crank with nickel plated bands. H 5379—1 doz. in carton 8 lbs. Each $1.20

"Farago 7"—6½x5, 90 lb. retinned plate, turned edge, patent ring handle, black enameled wood knob, agitator handle and crank with nickel plated bands. H 379—1 doz. in carton 8 lbs. Each $1.25

H5376

The Elite Electric Cleaner

Save Your Rugs—Keep them always clean and fresh by using the ELITE a few minutes each day. It preserves their luster and makes them last longer

No. 1. THE ELITE ELECTRIC

You may pay more but you cannot buy a better cleaner than the ELITE at any price. It's a powerful cleaner made to last.

Retails for $35.00 and Sells Easy by Demonstration

SPECIFICATIONS

Body—Full polished cast aluminum. **Motor**—One-sixth horsepower. **Fan**—6-inch, one-piece casting. **Floor Nozzle**—12 inch sweep 3 inch opening. **Oiling**—Reservoir cups, automatic. **Handle**—Spring brackets pistol grip. **Switch**—In pistol grip handle. **Bag**—Extra large 24x12 inch. **Vacuum**—4 inch water test. **Weight**—About nine pounds. **Brush**—Revolving.

The Name ELITE Stands for Quality, Power and Endurance

When ordering, be sure to state whether for direct or alternating current and give voltage. If for alternating current, state also the number of cycles.

Special Geared Revolving Brush picks up all threads, ravelings, hair, etc., and parts the nap of the carpet exposing the deep caked dirt to the powerful suction of the ELITE.

ADVANTAGES

The ELITE was designed not only to excel all similar cleaners, but an extra margin for strength and durability has been our watchword

The MOTOR is over size, insuring longer life and lack of motor trouble. It will last a lifetime. It operates the fan at 10,000 speed.

The FAN is a new design that greatly increases the suction and reduces the noise

The FLOOR NOZZLE is the special feature of all the good points in the ELITE. It is 12 inches long by 3¼ inches wide. The carpet is suspended from the floor by the strong suction and the air is forced through from under the carpet.

The advanced ideas embodied in the ELITE are the result of practical experience in manufacturing.

GUARANTEE

The ELITE is guaranteed for 5 years against defective material and workmanship.

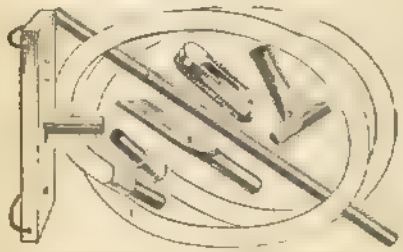
SCIENTIFIC CLEANING

not only saves time, but saves carpets. Most of the damage and wear of carpets, rugs, etc., is caused by sweeping, beating, and by the friction of grit and dust grinding the woolen nap off close to the warp of the carpet. This grit and dust cakes by trampling down the nap over it and can not be removed by sweeping. The ELITE with its powerful suction gets all the dirt on and in the carpet and prolongs its life.

ORDER A SAMPLE CLEANER

You can't sell them unless you show them and demonstrate the wonderful labor saving and sanitary advantages. You can order them as you sell them and turn your investment many times a month, while other stock can only be turned a few times a year at most. Every housewife who gets one will cause others to want them and your next sales come easy. You will be surprised to see how much it will swell your annual profits to push the sale of the ELITE ELECTRIC CLEANER. **Order now, beat the agents to it; keep the business at home instead of letting traveling agents get away with it.**

No. 1 Elite Electric Cleaner . . . . . List $58.34
Extra Attachments . . . . . List 16.67



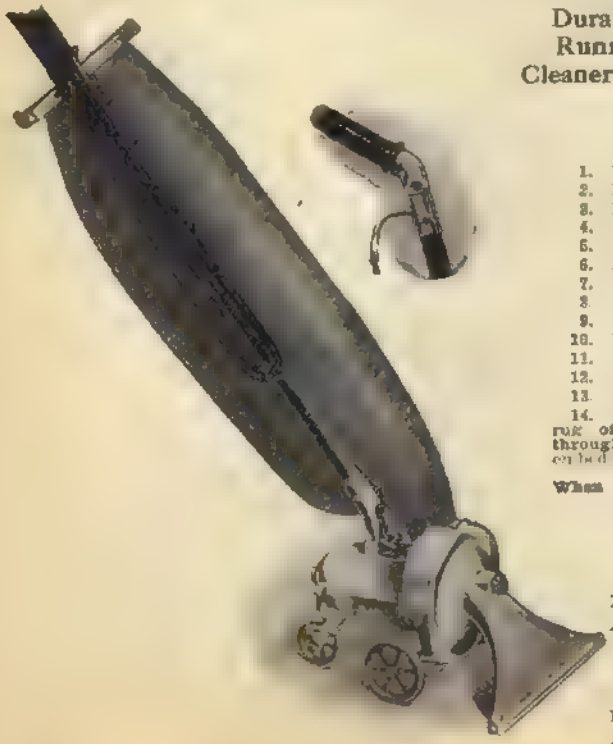
Attachments for the Elite Cleaner

NEW 1917 MODEL, has a special power-driven brush. It renovates the carpet and picks up everything

The "Bee" Electric Suction Cleaner

Model "D"

The Most Efficient, Durable and Easy Running Electric Cleaner on the Market



"BEE" POINTS

1. Utmost efficiency.
2. Easiest to operate.
3. Most durable.
4. Very economical.
5. Strongest suction.
6. Absolutely guaranteed.
7. Light in weight.
8. Rubber tired wheels.
9. No scraping on rugs.
10. Equipped with brush.
11. Universal motor.
12. Best oiling system.
13. Handsome appearance.
14. Adjustable device which draws rug off the floor and sucks the air through the rug, thereby removing the embedded dirt.

When ordering state voltage, cycleage, A. C. or D. C. current.

Retail Price

Model "D"	$35.00
Attachments	7.50

List Price

Model "D"	$23.53
Attachments	21.70

NEW IMPROVEMENTS

Suction increased 20 per cent.

Nozzle longer, now 12 inches.

New handle with enclosed switch.

Improved, more convenient hose connection, which makes attachments more efficient.

Handle support for holding handle in upright position when desired.

New cast aluminum bag connection.

The three large wheels, with rubber tires, which have always made this cleaner easier to operate than others are continued in the 1917 model.

Of course the "Bee" exclusive adjustable device for raising and lowering the nozzle to suit the thickness of the carpet, is also on the new model.

MODEL D ATTACHMENTS.

1. Shoe, to fit over bottom nozzle opening, when hose is used for all suction work above floor.
2. 4-inch aluminum nozzle with nickel plated extension handle for cleaning portieres, bedding, upholstery, etc.
3. 20 feet of best reinforced rubber hose, special tapering end, for tuft buttons, corners or blowing.
4. Reducer to fit into exhaust outlet so that hose terminal can be inserted for blowing, air circulation, drying hair, etc.
5. Clothes and library brush.
6. Brush attachment furnished free with each cleaner; also ample supply of lubricating oil.

THE NEW LIGHTNING DUPLEX CLEANER

It Has Four Bellows

The Most Powerful, Most Durable, Best Cleaner Ever Built, Either Hand Power or Electric, Regardless of Price

RETAILS FOR EVERYWHERE **$10.00**

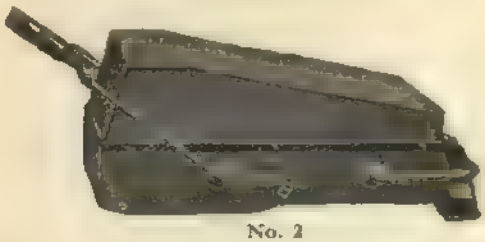
THE LIGHTNING DUPLEX has carpet sweeper attached to the rear of the machine with brush geared to the drive wheels. While the powerful suction developed by its four large bellows gets all the dust from the carpet through and through down to the floor, the carpet sweeper attachment picks up all litter too large to enter into the suction mouth-piece in the same operation. The whole house is cleaned in less time than would be required to clean one room with carpet sweeper, broom and dust cloth, and there is no dust in the atmosphere to be inhaled.

The New Lightning Duplex

has the most powerful suction of any hand power cleaner ever built. Its four large bellows produce fifty per cent more vacuum than the three-bellows type, enabling the housewife to thoroughly clean her carpets without having to send them out to the cleaners every season

The New Lightning Duplex

is cabinet built in beautiful mahogany finish, all working parts concealed from view. It is built by highly skilled workmen of the best materials obtainable. It costs more to build than any other cleaner and experts marvel that it sold so cheap when they see its construction



No. 2

The ELITE 3 — Bellows — 3 Combination Hand Power

RETAILS FOR **$6.75**

Two in One The carpet sweeper gathers scraps, threads and all litter too large to enter the suction mouth-piece from the carpet and the vacuum sucks the dust, leaving the carpet thoroughly fresh and clean through and through

DEALERS GET BUSY Why do vacuum agents come to your city and make a clean up. They make good profits and you can do the same. The ELITE HAND POWER is the best cleaner on the market for the money. Every family can afford a vacuum cleaner at this price. HOW MANY CAN YOU SELL

No. 2 Elite Hand Power

SPECIAL PRICE . . . . . LIST **$13.15**

SELL THE BEST
IT PAYS

FULLY GUARANTEED

All These Cleaners are Trade Builders

One dealer ordered twelve. When they came he distributed them to the homes of twelve of his best customers, told them to use them for a few days and see how they liked them. Result—he sold ten. Now he orders them every week. No woman will be without a vacuum cleaner once she has tried the LIGHTNING DUPLEX in her own home. ORDER NOW. Beat the agents to it. They make money by being progressive. So can you

No. 3 Lightning Duplex (Combination)

SPECIAL PRICE . . . . LIST **$18.35**

Popular Eradium and Flashlight Electric Alarm Clocks

1863 1917

Prices Each

NEW RADIUM CLOCK—$15.00

Eradium (Luminous) Clock

Shines in the Dark

At last: A clock that is as useful during the night as the day. The need of a clock for the night time has always been felt. To satisfy this want watchmakers have made up special watches, which by means of turning a special spring would strike off the quarter hours, but the cost of such a watch was usually out of reach of those who most needed them.

Hands and Figures Luminous—These hands and figures throw off a bright light throughout the night, so that any one can see at a glance the exact time to the minute in the darkest room. Metal dial face, oak veneer with a moulding around the edge that gives it a very finished appearance, finished in jet black to make the luminous effect most startling and striking.

Hanging or Mantel, 8-day, lever movement of a standard guaranteed make, so that the clock is not only novel but first class in every other respect, the luminous effect is everlasting.

This clock is particularly useful for hospitals, doctors, nurses, moving picture theaters, photographers, timekeepers and watchmen.

Flashlight Electric Alarm, Call and Bank Clock

Ready for Use.

Only Clock of Its Kind Made

With stamped steel back attached, and well made combination for same.

Electric alarm will ring continuously until you "get up" and stop it. No chance to oversleep. Operated with dry battery. A long push cord is attached to clock and can be used in bed to see the time at night by pressing pear push at end of cord.

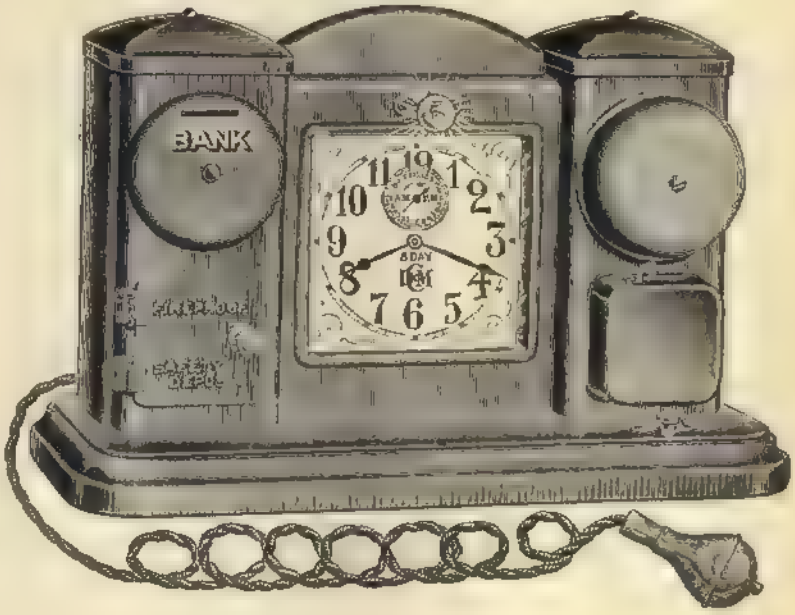
Or can also be used as call bell in sick room or wherever call bell is needed by pressing push at end of cord. No danger of shock.

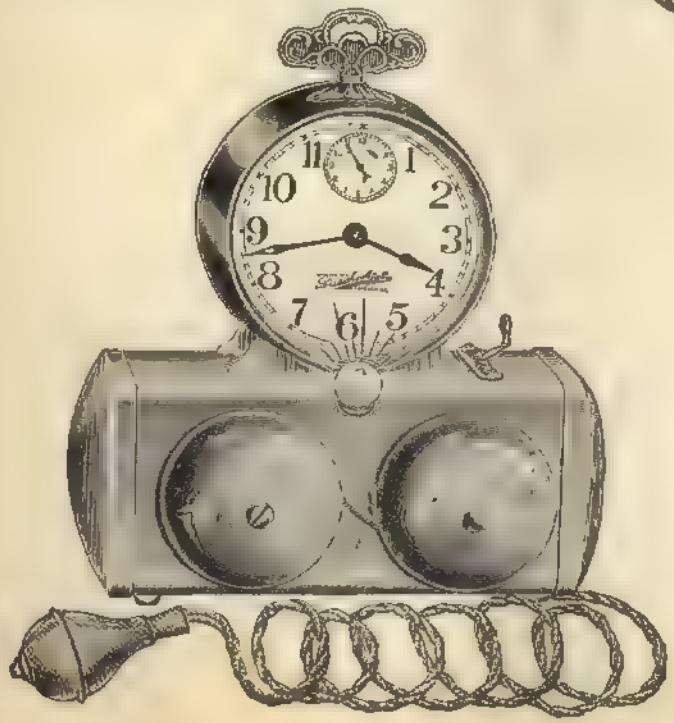
Lamp is guaranteed to give the best of satisfaction.

Everything complete and ready for use.

Furnished in fine nickel plate or gun metal finish. Height 7 inches, length (extreme base) 12¾ inches, width 5¾ inches. Weight 7½ pounds.

8-day time, each.....$15.85





"Searchlight" Electric Alarm and Call Clock

The Early Riser's Friend

Alarm will ring until you get up and stop it.

Operated by dry battery—very simple—no danger of receiving a shock.

Will not get out of order—the only perfect electric alarm clock made.

As an electric call bell can be used in sick room or wherever call bell is needed by merely pressing push at end of cord.

As a night light, to see the time in the dark without arising from bed, just press pear push at end of cord—most convenient.

Lamp is guaranteed to give the best of satisfaction.

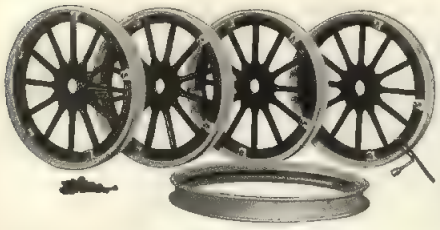
Alarm very noisy—can be stopped at pleasure.

Height 9 inches, width 7½ inches, depth 5 inches. Weight 6 pounds.

Furnished in copper, oxidized finish.

1-day time, each.....$9.15

FIRESTONE DEMOUNTABLE RIMS



Firestone Rims cannot stick in mounting or demounting. They are held on the felloe by a triangular pointed clamp, and not by a flat, sticking, rusting wedge. Simplest in construction, safest in service and easiest in operation. They are not affected by water, sand or rust.

Note simple construction and the few parts to the Firestone Demountable Rim as shown by cross-section in picture. Particular attention is called to the valve sleeve, which serves two purposes: (1) The leather washer fits snugly against the rim base, absolutely preventing moisture from getting into the casing through the valve hole. Moisture will rot both tube and casing. (2) The dust cap screws down tightly against the sleeve, allowing dust cap, sleeve and all to pass through the wood felloe when demounting the rim. This saves the trouble and necessity of getting out your pliers and removing a lock washer which is screwed down against the tire in other types of rims. Remember that this lock washer is not necessary if you use Firestone Demountable Rims. Set consists of 5 rims, 1 demountable wrench, 24 bolts and nuts.

Price Does Not Include Applying

Size 32x3½	Per Set	$30 90	Size 34x4	Per Set	$32 85	Size 34x4½	Per Set	$38 25
Size 32x4	Per Set	40 90	Size 36x4	Per Set	34 65	Size 36x4½	Per Set	42 00
Spare Rims, 32x3½	Each	5 00	Spare Rims, 34x4	Each	5 50	Spare Rims, 34x4½	Each	6 50
Spare Rims, 32x4	Each	5 25	Spare Rims, 36x4	Each	6 50	Spare Rims, 36x4½	Each	7 00

FOR FORD, CHEVROLET AND MAXWELL CARS

Set consists of 5 Rims, 4 Wheels, 24 Bolts and Nuts and 1 Rim Wrench; size 30x3½	Per Set	$30 00
Spare Rims	Each	2 25

HOOVER MUD HOOKS

A solid casting fitting around the tire, with two 1¼ inch web straps so that it can be securely fastened. The most effective attachment made.

No. W1. For 3 to 4½ inch tires	Per Pair	$1 50
No. W2. For 5 to 6 inch tires	Per Pair	1 75

FIRESTONE BOOTS

LACE-ON BOOTS

Can be used with any type casing. Same construction as "Hook On" type.

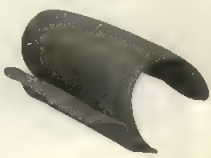
3 inch	Each	$1 35
3½ and 4 inch	Each	1 50
4½ and 5 inch	Each	1 75
Extra Leather Laces	Each	0 25

HOOK-ON BOOTS

Two types, one for either Clincher or Q. D. Clincher tires, as shown here, and the other for Straight Side tires.

3 inch	Each	$1 20
3½ inch	Each	1 25
4 inch	Each	1 35
4½ inch	Each	1 50
5 inch	Each	1 70

INSIDE BLOW-OUT PATCHES



Extra long with wide flaps to fit around beads.

3 inch	Each	$0 55
3½ inch	Each	0 60
4 inch	Each	0 70
4½ inch	Each	0 75
5 inch	Each	0 85

MOTORCYCLE SUPPLIES

Non-Skid

FIRESTONE MOTORCYCLE TIRES

Red side wall and black treads. 3,500 mile guarantee.

Q. D. Size	Non-Skid	Cor.
26x2¼	$8 20	....
28x2½	10 00	$9 00
29x2¾	11 25	10 45
28x2¾	11 25	10 45
28x3	13 85	12 80

SMITH MOTORWHEEL TIRES

Non-Skid, 20x2 inches	$5 40
Grey Tube	1 25
Red Tube	1 45

Corrugated

FIRESTONE MOTORCYCLE TUBES

Sizes	Red	Grey
26x2¼	$2 30	$1 90
28x2½	2 60	2 15
29x2¾	2 70	2 25
28x2¾	2 70	2 25
28x3	3 15	2 60

Endless, Lap End or Butt End Tubes furnished at above prices.

INSIDE BLOW-OUT PATCHES

Extra long with wide flap. Made of highest quality of fabric carefully prepared to insure durability.

2½ inch	Each	$0 40
2¾ inch	Each	0 40
3 inch	Each	0 40

MOTORCYCLE HANDLE BAR GRIPS

Special design to meet the demand for a real quality grip that will stand the wear and not break. Removes the jar and will not tire the hands while riding made of material which actually cushions the shock

1 or 1⅛ in., notched or plain Pair $1 10

MOTORCYCLE PEDAL RUBBERS

Packed one pair in a box; best quality of rubber Per Pair $0 25

HOOK ON BOOT

Applied by placing hooks under clincher.

2⅛ inch	Each	$0 55
2¾ inch	Each	0 60
3 inch	Each	0 65

LACE ON BOOTS

Applied by lacing around tire and rim. Made of high grade fabric and rubber.

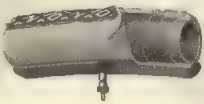
2⅛ and 2¾ inch	Each	$0 65
3 inch	Each	0 80

PUNCTURE CEMENT

Adhesive, quick and certain. Put up in tubes for convenience of motorcyclists.

Per Tube $0 15

BICYCLE TIRES



FIRESTONE

Red Side Wall with Black Tread. Single Tube.

The Non-Skid tread is big and safe. It grips the road, and rides easily whether you are on pavements, cobblestones or country roads.

28x1½ inches Per Pair $9 00

White Side Wall with Blue Tread.

28x1½ inches Per Pair $9 00

BICYCLE INNER TUBES

Red

This new Tube has standard quality and can be depended on to give splendid service.

Endless or G. and J. Style	Each	$1 25
Butt End	Each	1 35

Grey

Endless or G. and J. Style	Each	$1 25
Butt End	Each	1 35

MOTORCYCLE SUPPLIES

Non-Skid

FIRESTONE MOTORCYCLE TIRES

Red side wall and black treads. 3,500 mile guarantee.

Q. D. Size	Non-Skid	Cor.
26x2¼	$8 20	....
28x2½	10 00	$9 00
29x2¾	11 25	10 45
28x2¾	11 25	10 45
28x3	13 85	12 80

SMITH MOTORWHEEL TIRES

Non-Skid, 20x2 inches	$5 40
Grey Tube	1 25
Red Tube	1 45

Corrugated

FIRESTONE MOTORCYCLE TUBES

Sizes	Red	Grey
26x2¼	$2 30	$1 90
28x2½	2 60	2 15
29x2¾	2 70	2 25
28x2¾	2 70	2 25
28x3	3 15	2 60

Endless, Lap End or Butt End Tubes furnished at above prices.

INSIDE BLOW-OUT PATCHES

Extra long with wide flap. Made of highest quality of fabric carefully prepared to insure durability.

2½ inch	Each	$0 40
2¾ inch	Each	0 40
3 inch	Each	0 40

MOTORCYCLE HANDLE BAR GRIPS

Special design to meet the demand for a real quality grip that will stand the wear and not break. Removes the jar and will not tire the hands while riding made of material which actually cushions the shock

1 or 1⅛ in., notched or plain Pair $1 10

MOTORCYCLE PEDAL RUBBERS

Packed one pair in a box; best quality of rubber Per Pair $0 25

HOOK ON BOOT

Applied by placing hooks under clincher.

2⅛ inch	Each	$0 55
2¾ inch	Each	0 60
3 inch	Each	0 65

LACE ON BOOTS

Applied by lacing around tire and rim. Made of high grade fabric and rubber.

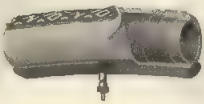
2⅛ and 2¾ inch	Each	$0 65
3 inch	Each	0 80

PUNCTURE CEMENT

Adhesive, quick and certain. Put up in tubes for convenience of motorcyclists.

Per Tube $0 15

BICYCLE TIRES



FIRESTONE

Red Side Wall with Black Tread. Single Tube.

The Non-Skid tread is big and safe. It grips the road, and rides easily whether you are on pavements, cobblestones or country roads.

28x1½ inches Per Pair $9 00

White Side Wall with Blue Tread.

28x1½ inches Per Pair $9 00

BICYCLE INNER TUBES

Red

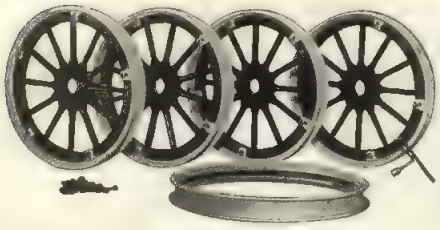
This new Tube has standard quality and can be depended on to give splendid service.

Endless or G. and J. Style	Each	$1 25
Butt End	Each	1 35

Grey

Endless or G. and J. Style	Each	$1 25
Butt End	Each	1 35

FIRESTONE DEMOUNTABLE RIMS



Firestone Rims cannot stick in mounting or demounting. They are held on the felloe by a triangular pointed clamp, and not by a flat, sticking, rusting wedge. Simplest in construction, safest in service and easiest in operation. They are not affected by water, sand or rust.

Note simple construction and the few parts to the Firestone Demountable Rim as shown by cross-section in picture. Particular attention is called to the valve sleeve, which serves two purposes: (1) The leather washer fits snugly against the rim base, absolutely preventing moisture from getting into the casing through the valve hole. Moisture will rot both tube and casing. (2) The dust cap screws down tightly against the sleeve, allowing dust cap, sleeve and all to pass through the wood felloe when demounting the rim. This saves the trouble and necessity of getting out your pliers and removing a lock washer which is screwed down against the tire in other types of rims. Remember that this lock washer is not necessary if you use Firestone Demountable Rims. Set consists of 5 rims, 1 demountable wrench, 24 bolts and nuts.

Price Does Not Include Applying

Size 32x3½	Per Set	$30 90	Size 34x4	Per Set	$32 85	Size 34x4½	Per Set	$38 25
Size 32x4	Per Set	40 90	Size 36x4	Per Set	34 65	Size 36x4½	Per Set	42 00
Spare Rims, 32x3½	Each	5 00	Spare Rims, 34x4	Each	5 50	Spare Rims, 34x4½	Each	6 50
Spare Rims, 32x4	Each	5 25	Spare Rims, 36x4	Each	6 50	Spare Rims, 36x4½	Each	7 00

FOR FORD, CHEVROLET AND MAXWELL CARS

Set consists of 5 Rims, 4 Wheels, 24 Bolts and Nuts and 1 Rim Wrench; size 30x3½	Per Set	$30 00
Spare Rims	Each	2 25

HOOVER MUD HOOKS

A solid casting fitting around the tire, with two 1¼ inch web straps so that it can be securely fastened. The most effective attachment made.

No. W1. For 3 to 4½ inch tires	Per Pair	$1 50
No. W2. For 5 to 6 inch tires	Per Pair	1 75

FIRESTONE BOOTS

LACE-ON BOOTS

Can be used with any type casing. Same construction as "Hook On" type.

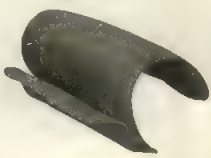
3 inch	Each	$1 35
3½ and 4 inch	Each	1 50
4½ and 5 inch	Each	1 75
Extra Leather Laces	Each	0 25

HOOK-ON BOOTS

Two types, one for either Clincher or Q. D. Clincher tires, as shown here, and the other for Straight Side tires.

3 inch	Each	$1 20
3½ inch	Each	1 25
4 inch	Each	1 35
4½ inch	Each	1 50
5 inch	Each	1 70

INSIDE BLOW-OUT PATCHES



Extra long with wide flaps to fit around beads.

3 inch	Each	$0 55
3½ inch	Each	0 60
4 inch	Each	0 70
4½ inch	Each	0 75
5 inch	Each	0 85

BICYCLES 1917 MODELS

After years of steady improvement we have achieved a reputation for delivering bicycles that outlive our guarantee. Our object is to supply the best bicycles on the market at the prices asked. The equipment furnished with our bicycles is first class in every respect, will give satisfactory service and will make friends for your bicycle department. That our policy is right is proven by the continuous growth of our bicycle business. Order your bicycles and bicycle sundries from us and you will get the maximum values for your money.

GUARANTEE

Every part guaranteed, except tires for 12 months from date of purchase, against defects in workmanship or material. Tires are guaranteed for the season in which they are purchased. Tires are not guaranteed against punctures or blow-outs. No parts returned will be replaced without charge when sent to us transportation charges prepaid. Returns must come through the merchant, not the rider. We make no allowance for repairs made locally.

STANDARD EQUIPMENT

1 in Seamless Tubing, "New Departure" Hubs, 1 Pc. Drop Forged Crank Hanger Guaranteed High Grade Tire; Diamond Roller Chains, Ball Bearing Working Parts, Fully Equipped Leather Toe Bag Enameled Rustproof Frames.

"FLYING MERCURY" MOTOR BIKE

A completely equipped bicycle. Nothing is lacking, no expense has been spared to make this model the last word in wheel construction for comfort, easy riding and durability. Mr Dealer, notice the specifications and you will see why this is by far our most popular and best selling machine. Be sure to show this high quality bicycle. You cannot match our price for equal quality bicycle.

"New Departure" Coaster Brake
Furnished on all "FLYING MERCURY" BICYCLES at price shown

$34.50
Including "New Departure" Coaster Brake

Absolutely Guaranteed

SPECIFICATIONS

FRAME—1 in. seamless tubing, reinforced truss drop bar, welded flush joints, drop mast post, motorcycle type.

FINISH—Seven coats deep orange baked enamel with blue head and gold double line striping, very attractive.

MUD GUARDS—Motorcycle type broad side enameled to match frame. Orange with blue panel. Channel sides over tires.

WHEELS—28x1¾ in., 32 spoke front 36 spoke rear.

RIMS—Steel lined corrugated rims, enameled, extra heavy nickel plated sprocket.

TIRES—"Paragon" extra heavy Ball Dog Grip clincher quick detachable automobile type, 28x1¾, most durable made, fully guaranteed deep cut crossbar tread, 3 ply heavy construction, fitted with endless inner tubes, most durable made, fully guaranteed.

FORK—Motorcycle type truss fork tapered oval crown shock absorber.

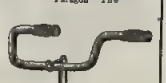
SADDLE—Messinger's "Superba" auto cushion motorcycle type, 13x9 inch, grained leather top, upholstered with curled hair, molded to hygienic shape and extremely comfortable auto vanadium steel truss spring construction absorbs all shocks.

GEAR—Standard 21 26 tooth front with 9 tooth rear sprockets.

HANDLE BARS—Kelley box motorbike type handle bars, nickel plated, rubber grips.

PEDALS—Motorcycle type, rubber pedals, standard ball bearing.

"Paragon" Tire



Kelley Handle Bars
"Superba" Saddle

SPECIFICATIONS

HUBS—New Departure" front, solid bar nickeled hub. "New Departure" coaster brake rear.

ELECTRIC LIGHTING OUTFIT—Enameled to match frame, carries 2 batteries, insulated wire, off and on connection, heavily nickeled reflector, throws beam 100 ft., equipped with 6 c. p. Mazda bulb. Batteries not included.

STAND—Enameled, automatic latching, channel iron.

CHAIN—English imported roller chain, ½x1 in. pitch.

TOOL BAG—Messinger's leather oval bag equipped with wrench, oil can and repair outfit.

CRANK HANGER—1 pc. drop forged, diamond pattern, 7 in.

SPROCKET—26 tooth front, 9 tooth rear.

PUMP—Telescope frame pump, nickel plated.

LUGGAGE CARRIER—Motorcycle type luggage carrier, all steel enameled to match frame.

BELL—2¼ in. "New Departure."

K1430—Adjustable to 20 22 or 24 in. by raising or lowering saddle, fully equipped including "New Departure" Coaster Brake. Fully equipped

$34.50
Each.

A Big Profitable Field for DEALERS

$ $ $

A Money Maker Every Month in the Year

THERE are more live prospects for the Ford-Dearborn One-Ton Truck than for any other commercial car on the market. Grocers, farmers, contractors, lumbermen, expressmen, manufacturers, truck gardeners and scores of others are **real** prospects for the Ford-Dearborn.

You can sell the Ford-Dearborn to people who would not think of paying $1,500 for a truck (the price of the average one-ton truck). The Ford-Dearborn is actually far cheaper to operate than horse and wagon and many times more satisfactory and efficient.

The Ford-Dearborn Truck is a combination of the Ford chassis and the Dearborn Unit. It has all the economy, simplicity and efficiency of the Ford—and the strength of the Dearborn

$350 and a Ford New or Old Makes a

FORD-DEARBORN
One Ton Truck

50 per cent of the load is carried on the sturdy rear axle and heavy truck wheels. Full 4 foot loading space, any style body can be furnished. Wheels are of heavy artillery type with guaranteed hickory spokes and felloes; tires are solid rubber. Tread is standard 56 inches, same as Ford front wheels. Baldwin roller chains and Baldwin steel sprocket

The Dearborn Unit is made complete in our own factory and is completely guaranteed in every detail. There is no other attachment like it. Any auto mechanic can attach it to Ford chassis in a few hours time.

Find out about the DEARBORN today. Write or wire for our Dealers' Proposition with complete information on the Dearborn Unit.

Dearborn Truck Co.

1250-1264 So. Campbell Ave.

CHICAGO

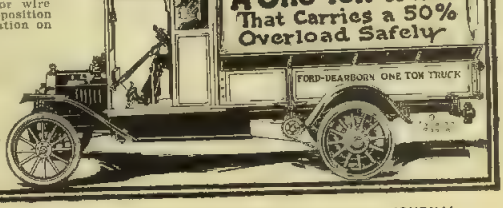
COUPON

Dearborn Truck Co.,
1250-1264 S. Campbell Ave., Chicago.

Send me your Dealer's Proposition and complete information on Dearborn Truck Unit.

Name.....

Address.....



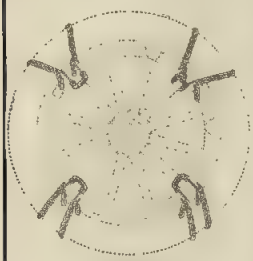
THE NEW GRUS OILER

Is the Only Patented Device Which Gives a Constant Feed of Oil Between the Spring Leaves from the Side.

Registered U.S. Patent Office Serial No. 1,131,364 Dec. 15, 1914; Patented Great Britain, Aug. 8, 1914, France, Jan. 12, 1915; Canada, Feb. 9, 1915. Germany, July 14, 1914.

SAVES TIRES SAVES SPRINGS

Steel against steel *must* have oil. Grus Oilers give a constant feed when riding. No hard, dry, rusty springs that bind and break. No needless tire wear.



GRUS CHAINS
On in a minute—off as quick.
At your jobber's, or write us.

When You Overhaul Your Cars This Spring Install Grus Oilers. They are profitable to Yourself and to Your Customers.

No owner who has ever used Grus Oilers goes back to occasional grease, graphite and hard labor. Everybody is coming to oil, fed by Grus Oilers. Get in line now. One set sells a dozen more.

WARNING!

The Grus Oiler is the original oiler. Its patents cover *all* side oiling of springs. Other side oiling devices are infringements and imitations and manufacturers, dealers and users of them are liable under the law and subject to prosecution.

Grus Oilers are easily attached, are attractive in appearance and light in weight. Order from your jobber today, or write for terms and particulars to

GRUS LEAF SPRING OILER COMPANY
Manufacturers
625 W. JACKSON BLVD., CHICAGO

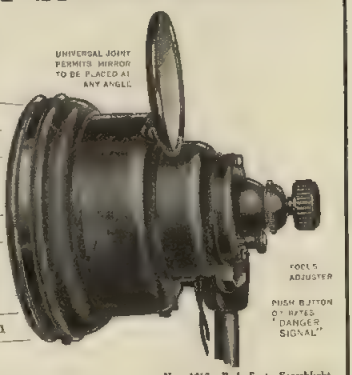
THE RED SPOT SEARCHLIGHT

Greater Sales—Profits For Jobber—Dealer

A Powerful Searchlight
Paramount in Quality
More Important Features

PLUS

The RED SPOT Danger Signal
The Perfectly Adjustable Mirror
The Rattle-Proof and Trouble-Proof Bracket
The Rotary Quick-Acting Switch



Easy Sold } More Profits
Quick Turnover }

Production of

No. 1616—Red Spot Searchlight With Rear View Mirror, Price $7.00

THE F. W. WAKEFIELD BRASS CO., 105 Water St., Vermilion, Ohio

Which is Always a Guarantee of Quality and Special Usefulness

TO KEEP THE BODY OF YOUR AUTOMOBILE SHINING LIKE A MIRROR USE BLUE RIBBON AUTO BODY GLOSS AND FURNITURE POLISH

Contains absolutely no Waxy or Gummy Substances—does not coat the surface—catches no dust.

Blue Ribbon Auto Body Gloss is a scientific "Tonic" which revives and renews all highly finished varnished or enameled surfaces. It keeps the finish flexible and full of life, which prevents the original gloss from becoming checked, dead or dull looking.

Wax and Gummy preparations simply coat the surface. The coating soon becomes dead—then it cannnot be removed. This ruins the original gloss and finish. Lastly, repainting and refinishing is the only remedy. Ask any expert or practical painter or chemist.

Blue Ribbon Auto Body Gloss cleans, renews and re-polishes or revives the original factory gloss.

Ask your Jobber or Dealer, or write us for catalogue of our eight Blue Ribbon Auto Specialties.

International Metal Polish Co. **Indianapolis, Indiana**

Garford Horns Are Standard On Many Cars

And the reason is obvious—it is found in the horns themselves.

Their handsome appearance, long-reaching, clear, distinctive sound, ease of operation, the long-continuous service which they render—these are what the manufacturer wants and which Garford Horns have always given him.

Horns have always been our specialty and we feel that in our present products we have achieved 100% efficiency. Garford Horns lead attractiveness, and fit into the most handsome cars of today. Every Garford product is guaranteed to be free from defects

Garford Push Buttons

No matter where they are placed they assure an instant response to the touch. Made from a high-grade composition and have large push surface. Furnished with Garford Electric Horns but can be bought separately in quantities. Let us send you a sample button for examination. 25c

Garford Auto Horn

Operated by a plunger at an angle of 45°—much handier than straight-down blow. A loud clear, far-reaching tone. Held securely by 3 point suspension. Best materials used. Lubrication simple, $3.50.

Garford Small Electric Horn

Very compact yet issues a strong commanding sound. Held rigid by 3 point suspension. Handsomely finished. The electrical design is along new lines. Complete with cord and button, $5.00.

GARFORD

Under Hood Small Electric Horn

Practically the same as the outside model. Loses none of the blast even though the bell is absent. A handsome, efficient horn. Complete with cord and button, $5.00.

Roxo VI

A Hammer Driven Auto Horn Under Hood Model. Gives a loud signal. The electrical design is most modern. A remarkable value. Complete with cord and button, $3.50.

Garford Large Motor Horn

Has a large, powerful signal which warns without startling. Has a splendid tone and a pleasing, well-balanced appearance, $11.50.

Garford Manufacturing Company : : **Elyria, Ohio**

G.W. HUNTLEY © CHICAGO

Fine Office Clocks

Manufactured by the Gilbert Clock Co.

1863 1917

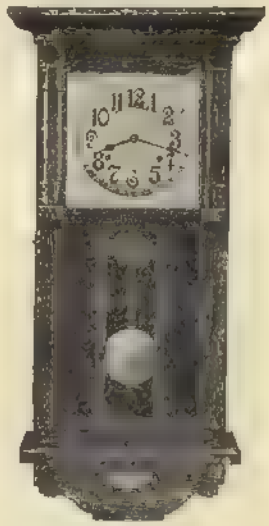
PRICES EACH

No. 3040—$15.05

Mahogany finish; fitted with 8-day, half-hour gong strike movement, 7-inch silver dial. Height 33 inches, width 12½ inches.

No. 3037—$16.45

Oak finish, fitted with 8-day half hour gong strike movement, 7-inch silver dial. Height 31½ inches, width 14½ inches.



No. 3038—$16.85

Mahogany finish fitted with 8-day half-hour gong strike movement, 7-inch silver dial. Height 31½ inches, width 14½ inches.

No. 3042—$17.90

Oak finish, fitted with 8-day half-hour gong strike movement 7-inch silver dial. Height 35⅝ inches, width 13½ inches.

No. 3005—$10.60

Oak finish, fitted with 8-day time movement, 7-inch dial. Height 22 inches, width 15½ inches.

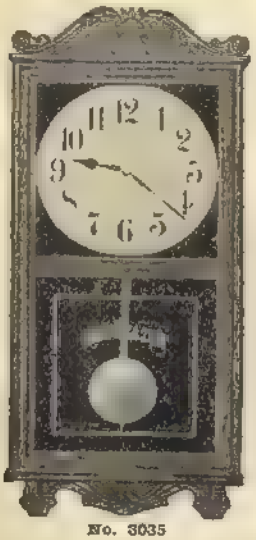
No. 3029—$10.70

Flemish oak finish, fitted with 8-day movement, striking the hour and half hour on gong 12-inch dial, cast numerals, polished brass hands and pendulum ball. Height 24½ inches, width 13 inches.

No. 3008

Polished mahogany, oak or white enamel, fitted with eight-day movement, 12-inch dial diameter 16 inches

Time, each	$13.35
Strike, each	15.75



No. 3035

Solid oak case, fitted with eight-day spring pendulum movement, 12-inch dial. Height 37 inches, width 15¾ inches.

8-day, time, each	$12.20
8 day, time, calendar, each	13.35
8-day, strike, each	14.25
8 day strike, calendar, each	15.20

No. 3023

Solid oak case, fitted with eight-day spring pendulum movement, 12-inch dial. Height 31 inches, width 17 inches.

8-day, time, each	$12.75
8-day, time, calendar, each	13.70
8-day, strike, each	14.75
8-day, strike, calendar, each	15.75

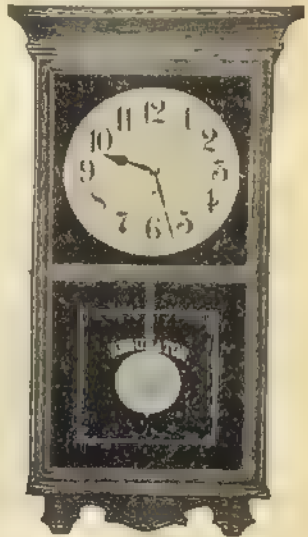
No. 3028

Solid oak case, fitted with eight-day spring pendulum movement, 12-inch dial. Height 24½ inches width 15⅝ inches.

8-day, time, each	$10.35
8-day, time, calendar, each	11.35
8 day, strike, each	12.40
8-day strike, calendar each	13.35

Same as above, 12-inch dia. Height 26¾ inches, width 17¾ inches.

8-day, time, each	$11.60
8-day, time, calendar each	12.55
8 day, strike, each	13.60
8-day, strike, calendar each	14.60



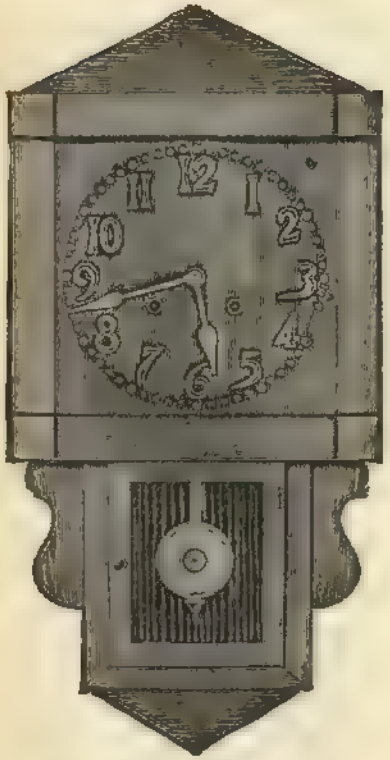
No. 3036

Solid oak case, fitted with eight-day spring pendulum movement, 12-inch dial. Height 38 inches, width 19 inches.

8-day, time, each	$14.40
8-day, time calendar, each	15.25
8 day strike, each	16.20
8 day, strike calendar each	17.25

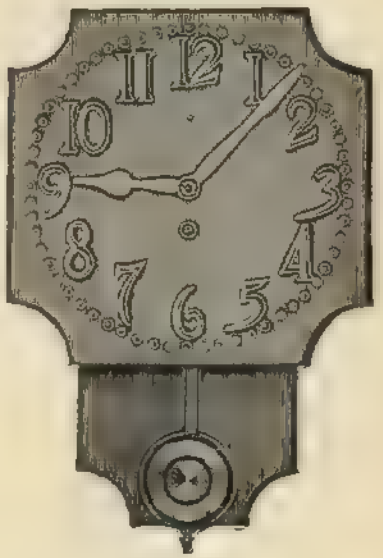
Mission Regulators, Etc.

Prices Each

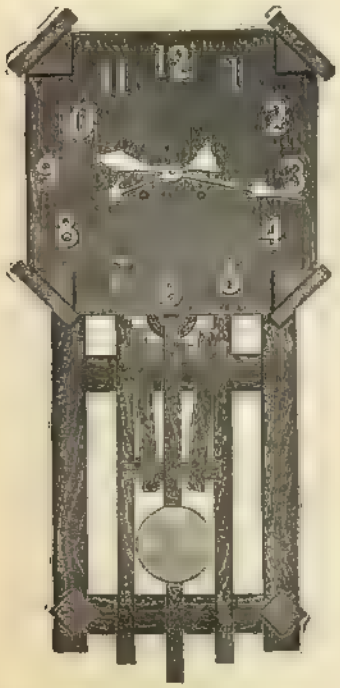


No. 8—DEN
Dark oak 10-inch dial; height, 26⅜ inches, width, 13 inches.
Eight-day, spring, time..... $16.50
Eight-day, spring, half-hour strike, gong 19.85
Waterbury.

No. 3—WILLARD—$20.00
Mahogany
Cast gilt trimmings, 8-day lever time; 8 inch porcelain dial, gilt sash and bezel; beveled glass, height, 17¼ inches.
Waterbury.



No. 4—DEN
Dark oak, 12-inch dial; height, 17½ inches; width, 12 inches.
8-day time..... $15.45
8 day, half-hour strike gong..... 18.85
Waterbury.



No. 2907—$14.00
Flemish oak, eight-day, half-hour strike, cathedral gong. 12-inch wood dial with brass hands and numerals. Height, 30½ inches; width, 14½ inches.
New Haven.

No. 2849..... $14.00
Flemish finish, solid oak case, eight-day, half-hour strike on cathedral gong, height, 30 inches; width, 13 inches, 12-inch wood dial with brass numerals and hands.
New Haven.

MADRID—$14.00
Spanish Mission Hanging.
Eight-day, half-hour strike, cathedral gong. brass hands and figures; height, 27½ inches, width, 16½ inches; dial, 12½ inches.
New Haven.

LIVE DEALERS

Some good territory is still open for the Glide "Light Six" (built by the sixth oldest motor car manufacturer in the United States.)

Sixteen years of successful experience in building high-grade automobiles should be a dependable guarantee of our reliability and permanence.

The Glide Six is easy to sell and gives perfect satisfaction. Our 1916 sales exceeded our factory capacity. For 1917 our output will be increased over 50 per cent, and we shall back our dealers with liberal advertising.

Get the Agency for This Well Known Car

that has given uniformly satisfactory service and has an established reputation for dependability and efficiency. At the price—$1250—the Glide Six offers greater value than any other "Six" which has equal specifications and as complete equipment. Don't delay—write now, as territory is being closed rapidly,

THE BARTHOLOMEW CO. **210 Glide St., Peoria, Ill.**

In fire prevention and profit protection— a better extinguisher

A COMBINATION of product and policy that is building business and satisfaction for many a dealer. The J-M Fire Extinguisher is distinctive, both in its two-way method of operation and in the one-way sales policy behind it.

With the J-M, fires of every origin can be smothered, no matter how awkward their location. Your customer can pump the J-M with nozzle closed, temporarily store up air pressure, and then go into tight corners and discharge the stream where there's no room to pump—or he can pump and discharge simultaneously. This is an exclusive J-M feature.

Sold only through regular jobber-dealer channels. Generous discounts, uniform regardless of size of order, permit rapid turnovers on minimum investments.

J-M Extinguisher liquid is non-deteriorating, harmless to skin, fabric or machinery, and is the only liquid recommended for re-filling.

The J-M Fire Extinguisher is approved and labeled by the Underwriters' Laboratories, Inc.

On cars equipped with the J-M, this means 15% reduction in insurance premiums.

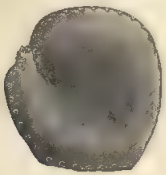
Price, $8.00, brass or nickel finish, bracket included

H. W. JOHNS-MANVILLE CO.
NEW YORK CITY
10 Factories—Branches in 55 Large Cities

Johns-Manville Fire Extinguisher

Goldsmith Guaranteed SPORTING GOODS

PROFESSIONAL MODEL BASEMEN'S MITTS



Showing Felt Padding, which may be adjusted in any manner desired

Model **F. M.** Designed and used by Fred Merkle, N. Y. Giants, special oil tempered horsehide, softness and durability has never been equaled, absolutely perfect in every detail.....Each $5 00

Model **D.** Originated and used by Hal. Chase, choicest tan colored calfskin, expert construction and finest materials throughout, a splendid model of great popularity.....Each 4 00

Model **W.** Dick Hoblitzell uses this model exclusively, his experience and use of this model is a guarantee of its excellence, choicest black oil dressed horsehide.....Each 4 00

No. **60.** Goldsmith Special, finest smoked horsehide, best felt moulded padding, full laced edge, natural pocket in which the ball sticks, highest possible value at the price.....Each 3 50

No. **58X.** "The Clincher," attractive and substantial, olive colored calfskin, best flexible felt padding, full laced edge, new pocket back and patent buckle protector.....Each 3 00

No. **60X.** Full laced league pattern, specially oil dressed stock producing great flexibility and durability, has our new "Clincher" style felt pad and other desirable features.....Each $3 00

No. **57X.** Craven tan calfskin, full laced edge, best flexible felt pad, finger back, extremely attractive and durable mitt which closes on the ball the instant it hits.....Each 2 50

No. **58.** Made entirely of best black oil tanned horsehide, flexible felt padding, full laced edge, ready broke permanent pocket, patent wrist strap and buckle.....Each 2 50

No. **56.** Front of finest black horsehide, balance of black Cordovan leather, felt pad and full laced edge, unequaled value.....Each 2 00

No. **57.** Palm of choice pearl grain horsehide, balance of tan kid, best asbestos felt padding, full laced edge for repadding.....Each 2 00

No. **54.** Palm of finest smoked chrome grain leather, back and fingers of tan kid leather, full laced edge, natural, smooth ball holding pocket, our Challenge Value.....Each $1 50

No. **58X.** Choice black leather, full laced edge, flexible padding, forming a smooth ball holding pocket, strongly made of best materials throughout.....Each 1 50

No. **55.** Fine brown tan leather throughout, has full laced edge, flexible, non resilient padding, patent wrist strap and buckle protector, a splendid value of exceptional merit.....Each 1 25

No. **55X.** Made entirely of good quality black smooth grain leather, has ready broke pocket, full laced edge, patent wrist strap and buckle, easy fitting Each.....1 00

No. **52X.** Made entirely of brown California Napa tan leather, full laced edge and buttoned back, ready broke pocket.....Each 1 00

No. **52.** Made entirely of black chrome leather, slightly under regulation size, full laced edge, ready broke pocket.....Each 75

No. **51.** Youths' Mitt, of Napa brown leather palm and back, canvas pocket, full laced edge, an unusual value.....Each 50

No. **50.** Boys' Mitt, napa brown leather palm and back, canvas pocket, bound edges, correctly padded.....Each 25

We Carry the Following Right Hand Numbers in Stock: 50, 51, 52, 52X, 54, 55X, 56, 57X.
Nos. 50 and 51, One half Dozen, Balance One-twelfth Dozen in a Box

GOLDSMITH PATENT STRAP AND BUCKLE PROTECTORS

Patented March 22, 1910.

Prevents the strap from bruising the hand. Used only on Goldsmith Guaranteed Catchers' and Basemen's Mitts.

Goldsmith Guaranteed SPORTING GOODS

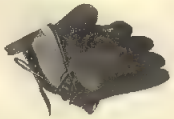
FIELDER'S GLOVES
used by WORLD-FAMOUS PLAYERS

Modo. **KB.** A large glove of the finest tan colored horsehide with our oil tempered finish, making the glove very soft, best tan kid lining, laced wrist ..... Each $5 00

Model **B.** Easy fitting glove, of flexible, buff finished drab horsehide, soft tan kid lining, lightly padded around the edge and little finger, laced wrist. Each $4 50

Model **SF.** Choice tan colored flexible horsehide, has special web and stiffening in third and little finger, finest kid lining, no padding in the palm, laced wrist, a perfect glove in every detail ..... Each $4 00

Model **OG.** Large size, of choicest black glove tanned horsehide, finest black kid lining padded so that the ball sticks, laced wrist ..... Each $4 50



Showing Laced Wrist for Adjusting Padding

Model **K.** Finest flexible black horsehide, black kid leather lining lightly padded around wrist and little finger, no padding in the palm, is broken in, ready for use ..... Each $4 [illegible]

No. **30.** Finest quality black horsehide, with full black kid lining made on the professional model with large little finger and soft padding arranged so that the ball sticks, laced at the wrist for adjusting the padding ..... Each $ [illegible]

No. **48.** Special, soft, flexible smoked glove horse hide, very strong and pliable, full leather lined, with laced wrist for adjusting the padding, made on the flat palm model with a very light padding, a very fine glove of exceptional merit, made so the balls stick every time ..... Each $ [illegible]

No. **26.** League Model best quality cream colored glove horsehide, full kid leather lining with padding arranged so that the ball sticks, no paddings in the palm laced wrist, built for fast and accurate play ..... Each $3 50

No. **47.** Professional Model, selected soft light weight black horsehide, lined with black kid leather and has leather welted seams, padded with finest asbestos felt, so that the ball sticks a soft flexible easy fitting glove which will render long and satisfactory service ..... Each $2 50

No. **25.** Choice pearl colored glove horsehide on our most popular pattern, leather lining with soft flexible padding arranged around edges to form the pocket, no padding in the palm, highly recommended by all who have used it ..... Each $2 00

No. **22.** League Model, special oil tempered leather, which acts not only as a leather preservative, but makes the stock extremely soft, pliable and strong, requiring no breaking in, ready to use the day it is bought, full leather lined, correctly padded and laced wrists, a perfect ready formed pocket ..... Each $2 00

No. **20.** Professional pattern, selected black oil tanned dogskin lined throughout with kid leather, correctly padded with felt, has leather welted seams, soft and pliable so that the ball will always stick, laced wrist for adjusting the padding ..... Each $2 00

No. **41X.** Choice selection drab buff finish asbestos buck, padded with soft glove felt, laced at wrist and leather lined throughout, a soft, easy fitting glove with a perfect ready broke pocket ..... Each $1 50

No. **17.** The leather used is a special grade of smoked chrome grain kid making a strong flexible glove, correctly padded with felt and full leather lined, has a natural ready broke pocket ..... Each $1 50

No. **44.** Made full to size of black kid leather full leather welted seams and leather lining, laced wrist, padded with flexible glove felt so as to form a perfect pocket ..... Each $1 50

No. **16X.** Made of best quality smoked Indian buck, felt padded and leather lined throughout, special flexible padding and natural pocket arranged so that the ball sticks ..... Each $1 50

No. **41.** Best tan colored leather, leather welted seams and full leather lining, the padding forms a perfect ball holding pocket, laced at the wrist for adjusting the padding Each $1 75

No. **40.** League model excellent quality black tanned leather lined throughout with leather, padded with good grade felt, leather welted seams a strong glove with natural flexible pocket ..... Each $1 25

No. **9.** A league model of fine black Cordovan leather, with white leather welts, leather lined and padded with flexible glove felt, smooth natural ready broke pocket, a glove which represents more than ordinary value at ..... Each $1 00

No. **10.** Select tan colored leather in the large little finger style, has leather welted seams, softly padded with felt and lined with soft flexible glove leather, an excellent value ..... Each $1 00

All Above One-twelfth Dozen in a Box.

No. **8X.** One of our most popular models, made of selected drab asbestos buck, padded with felt and lined with leather, has welted seams and a natural pocket in which the ball sticks every time ..... Each $1 00

No. **8.** Excellent quality smoked Indian buckskin, softly padded with glove felt and leather lined, an extra value and a favorite glove for rough work, has been popular now for many years ..... Each $1 00

No. **6.** Made full to size of smoked Indian buck, connecting thumb web, well padded with felt and leather lined, a special value of great merit which has maintained its popularity for many seasons ..... Each $0 75

No. **6A.** Made entirely of selected black kid leather, leather lined and welted seams, padded with good grade felt, producing a perfectly natural deep pocket ..... Each $0 75

Goldsmith Guaranteed Sporting Goods

All Mitts and Gloves made in Rights and Lefts. Lefts will always be sent unless Rights are specially ordered. In quality of materials, workmanship and durability, Goldsmith Guaranteed Fielders' Gloves cannot be equaled.

No **4X.** Selected black chrome leather full to size, leather welted seams, good grade felt padding, leather palm lining and inside heel made in our usual careful manner .....Each $0 50

No **2.** A liberal size glove of tan colored leather, made with soft felt padding leather lined palm and leather welted seams, natural pocket formation Each 50

No **24.** Good grade black sheepskin, on our favorite boys model, felt padded and leather lined palm and inside heel the best boys' glove ever offered. ..Each $0 25

No. **1.** A good boys' glove of select brown tan leather, leather lined felt padded, connecting thumb web Each 25

We Carry the Following Right Hand Numbers In Stock 1 2 6 8X 4IX 22 47 Others Supplied Made to Special Order Only

One half Dozen In a Box

Front of Tag

GOLDSMITH GUARANTEE TAG

This tag is placed on each Goldsmith Tade-Mark article. It carries with it a guarantee of satisfaction and perfect goods. So confident are we of the high quality and merit of our product that we will replace any article free of charge bearing our trade mark which is not satisfactory, when returned direct to us.

Back of Tag

GOLDSMITH BASE BALL SHOES

Nos. 67-70

Made of solid leather, no substitute materials used. They are extremely durable yet soft and flexible and give splendid satisfaction

FEATHER WEIGHT

No. **67.** Genuine kangaroo, the lightest and strongest leather for shoes; low cut, sprinting last, white oak soles, hand forged steel plates, new stitched flexible shank, rawhide laces; worn by best players..Per Pair $5 00

LEAGUE

No. **68.** Kangaroo calf, low cut running shoe last, straight, very flexible shank, blued steel plates, best oak soles; made for hard and rough work Per Pair 3 50

AMATEUR

No. **70.** Good grade selected chrome tanned black calfskin; good grade oak soles; hand ground blued steel plates, strongly riveted.. .Per Pair 2 50

One Pair in a Box.

TOE AND HEEL PLATES

Toe Plate

Heel Plate

No. **1T.** Toe Plate, special fine quality steel, hand sharpened Per Pair $0 35

No. **2T.** Toe Plate, fine quality blued steel, sharpened Per Pair 25

No. **7T.** Toe Plate, good quality steel, blued finish Per Pair..... 10

No. **1H.** Heel Plate, special fine quality steel, hand sharpened .Per Pair 35

No **2H.** Heel Plate, fine quality blued steel, sharpened Per Pair 25

No. **7H.** Heel Plate, good quality steel, blued stee. Per Pair 10

One Dozen Pairs In a Box

Goldsmith Guaranteed Sporting Goods

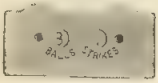
PITCHERS' TOE PLATES

No. 1. Polished aluminum to be worn on the toe of the shoe, affording excellent protection and an aid in pitching, made for right and left shoe . Each $0 25

SCORING TABLET

Made of celluloid, a convenient device for the recording of runs and outs . . Each $0 25

UMPIRE'S INDICATOR



Made of celluloid; to tally the number of balls and strikes, fits the palm nicely . . . Each $0 50

RUBBER HOME PLATE

No. 1R. Made of best white rubber, has steel pins Each $7 50

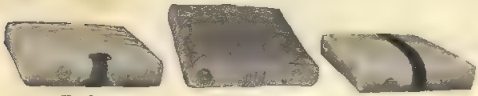
RUBBER PITCHERS' BOX

No. 2P. Made of best white rubber, has steel pins Each $5 00

BASE BALL SCORE BOOKS

No. 5. Cloth cover, club size, 60 games .....Each $1 00
No. 3. Board cover, pocket size, 50 games . . . . . Each 50
No. 2. Board cover, pocket size 22 games Each 25

GOLDSMITH BASE BALL BASES



No. 0 No. 0L No. 1-2

No. 0L. Major League—Extra heavy 16-ounce canvas, firmly stuffed and quilted, each base has two extra heavy halter web straps and three spikes; the kind the big leagues use Per Set of 3 $7 50
No. 0. Minor League made of 16 ounce canvas, firmly stuffed and quilted, heavy web straps and steel spikes . Per Set of 3 6 00
No. 1. League heavy white canvas, firmly filled, plain top; complete with heavy web straps and spikes. Per Set of 3 5 00
No. 2. Amateur—heavy twill drill, well filled but not quilted, web straps and necessary spikes..... . Per Set of 3 3 50

GOLDSMITH LEATHER TONE

Made expressly for softening, preserving and waterproofing base ball gloves and mitts; it makes the pocket soft and pliable and thus enables the player to secure a better grip on the ball Each $0 10

GOLDSMITH BAT BAGS

Nos. 12-6

Nos. 15-5

No 12. Extra heavy tan colored canvas, leather straps and trimmings, holds twelve bats Each $3 50
No 6. Same as No 12, except holds six bats Each 2 50
No. 15. Fine russet cowhide holds two bats Each 3 50
No. 5. Heavy canvas leather, holds two bats Each 1 00

GOLDSMITH SLIDING PADS

No. 9

No. 9. Natural wool (sheepskin from which the wool has not been cut), lined with nap felt; the best made .....Per Pair $2 00
No. 6. Special quality softly quilted sateen, double sliding flaps to prevent burning, very practical and durable Per Pair 1 50
No. 5. Special quilted material with loose flaps the most popular pad made .....Per Pair 1 25

Nos. 6 to 2

No. 3. Double flaps made of heavy table felt, has belt loops Per Pair $1 00

Goldsmith Guaranteed

ATHLE-TEXTURE Flannel TRADE MARK THE VERY BEST

Base-Ball Uniforms

ATHLE-TEXTURE BASE BALL UNIFORMS

Wear better and last longer than any other flannel made. Used by clubs in the Major, Minor and Amateur leagues.

We carry in stock a fine assortment of Base Ball Uniforms ready for shipment same day as order is received.

For Description and Prices write for Stock Uniform Sample Card.

All Stock Uniforms sold in sets of ten complete Suits consisting of Cap, Shirt, Belt, Trousers and Socks.

Assorted sizes—Breast measures 36, 38, 40 and 42.

For Uniforms made to order send for Special Uniform Catalogue, requesting Discounts.

Please send order early for Base Ball Uniforms so that we will have time to get what you want.

GOLDSMITH BASE BALL BELTS

No. 40.	Best black 8-ounce leather, 1⅛ inches wide	Each	$0 75
No. 35.	Worsted web, 2½ inches wide, leather lined	Each	50
No. 30.	Worsted web, 2 inches wide, leather lined, single strap Each		50
No. 25.	Best 8-ounce leather, 1¼ inches, black only	Each	50
No. 10.	Cotton web, 2½ inches wide, single leather strap	Each	25
No. 8.	Cotton web, 2 inches wide, auto lock clasp and slide	Each	15
No. 2.	Cotton web, 1½ inches wide, duplex buckle.	Each	10

One Dozen in a Box.
Specify Color

Skirt Bathing Suit

SKIRT BATHING SUITS

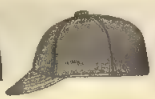
No. 740M.	Worsted, buttons on shoulder, plain or trimmed, men's sizes ..... Suit	$3 00
No. 740B.	Worsted buttons on shoulder, plain or trimmed, boys' sizes . . Suit	2 00
No. 702M.	Heavy cotton, buttons on shoulder, in all colors or trimmed. Suit	1 00
No. 802B.	Same as 702M, in boys' sizes only..... Suit	75

One-half Dozen in a Box.
Specify Color.

ATHLE-TEXTURE FLANNEL BASE BALL CAPS

Always state clearly style, size, number of cap, name of color and color number. For colors and quality of flannel, see special uniform book

Boston Style



Philadelphia Style

New York Style

No.		Each
035.	Made any style, of Uniform Flannel No. 35	$1 00
031.	Made any style, of Uniform Flannel No. 31	75
030X.	Made any style, of Uniform Flannel No. 30X	75
025X.	Made any style, of Uniform Flannel No. 25X	60
024X.	Made any style, of Uniform Flannel No. 24	50
018X.	Made any style, of Uniform Flannel No. 18X	50
012X.	Made any style, of Uniform Flannel No. 12X	35
029.	Philadelphia Style, medium grade flannelette, with corded seams, in all standard colors.....	25
028.	Boston Style only, with corded seams, made in all the standard colors, an extra good value.....	25
06.	Boston and Chicago Styles only, maroon with white visor, navy with white visor, royal blue with red visor, gray with navy visor.....	20

GOLDSMITH ATHLETIC HOSE

Plain

For all outdoor and indoor sports, made of the very best lofty yarns. Extra heavy ribbed, full fashion, fit the leg closely and are extremely durable. All hose are knit in our factory, in the most modern and complete knitting plant operated exclusively for athletic hose.

Calf Stripe

No.		Per Pair
45.	Finest heavy weight worsted yarn, any style or color..	$1 50
35.	Finest medium weight worsted yarn, any style or color	1 00
30.	Special grade worsted, any style or color.....	75
25.	Heavy weight best grade wool yarn, any style or color	75
15.	Good quality wool, any style or color, splendid value..	50
12.	A special wool hose in any style or color.....	50
9.	Extra heavy ribbed cotton, any style or color.....	40
7.	Heavy cotton, well ribbed, any style or color.....	35
3.	Cotton with feet only, any color with Style A stripe only	25
2.	Sanitary Hose, best natural color cotton . .	15

Note—Special colored Hose in plain or striped, which are not regular stock colors, must be made to order, requiring a week to ten days. Be careful and specify colors, style, striping, size and whether feet or feetless.

Goldsmith Guaranteed Sporting Goods

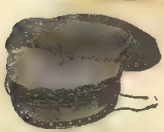
CATCHERS' MITTS
used by WORLD-FAMOUS PLAYERS

CHIEF MEYERS MODEL

Designed personally by Chief John T. Meyers, catcher New York Nationals, the greatest catcher in organized base ball. It represents the fulfillment of his ideas, derived from actual experience after catching the Peerless Mathewson for many years. Choicest oil-tempered calfskin, specially hand formed and balanced. Stitched with heavy waxed linen thread. The special pad combines a section of flexible cowhide on which are built layers of asbestos felt. Each mitt is a masterpiece and an exact duplicate of the one now used constantly by Chief John T. Meyers.

Model C. M. Each .. $10 00

CHIEF MEYERS


Showing Style and Manner of Padding

Moulded Mitt

Back view of Catcher's Mitt showing Patent Wrist Protector, reinforced fingers and full edge lacing

Scoop Mitt

Model 8. The Bull Dog, choicest oil tempered calfskin, sewed with waxed linen thread, hand formed felt pad, extremely strong and of greatest durability, the choice of many league catchers ... Each $9 00

Model EG. Scoop Model splendid selection of black oil dressed calfskin on our popular thin edge scoop pattern, canvas finger grip special finger protector, greatest care and skill are used and each mitt represents perfection in its fullest meaning ..... Each $8 00

Model W. C. Scoop Model, choice tan boxide calfskin throughout, on our popular thin edge model, hand formed felt pad and ready broke pocket, finest workmanship throughout, perfect in shape, style, size and balance ..... Each $7 00

No **95.** Professional Model, finest golden brown calfskin throughout on the modeled mitt pattern, no expense has been spared to make this a superior value and a most practical mitt, used by the very best players, special hand formed felt pad and ball holding pocket ..... Each $6 00

No. **90.** "Scoop Model," thin edge pattern of choice black calfskin, padded with asbestos felt, patent strap and buckle at the wrist all parts double sewed full laced edge natural ready broke pocket..... Each $5 00

No. **87.** Modeled pattern, of good grade black calfskin, full laced edge, hand formed felt pad and well shaped ready broke pocket, best materials and workmanship throughout..... Each $4 00

No. **86X.** Choice craven tan cowhide palm, with balance of mitt of heavy Benton tan kid, full laced edge, patent wrist protector and well formed pocket, already broken in..... Each $3 00

No **85X.** Our Challenge Value, heavy black mitten stock, popular thin edge scoop model, full laced edge, hand formed felt pad and moulded pocket, an unusual value ..... Each $3 00

No. **85.** Palm of golden brown calfskin with back and trimmings of tan colored stock, full laced edge, patent thumb lace and natural deep pocket, patent wrist strap and buckle, well made mitt..... Each $2 50

No **82.** Thin edge mitt made entirely of good grade black mitten stock, has all our patented features, and is correct in style, finish and every detail, a favorite amateur mode Each $2 00

No. **78X.** Palm, back and fingers of choice cream colored leather, on our popular thin edge model, full laced edge, correctly padded and with natural ready broke pocket, an extremely attractive and popular value ..... Each $2 00

No. **79.** Front of smoked chrome leather, balance of mitt good grade tan leather double sewed throughout with all our latest improvements ..... Each $1 50

No. **78.** Choice black Cordovan leather throughout, patent thumb lace, deep, well formed pocket, patent wrist strap and buckle, full laced edge, an attractive and very durable mitt Each $1 50

No. **77.** Large size, front and fingers are of cream colored leather, with back and edge of tan colored stock, full laced edge, patent buckle protector, good firm padding and ready broke pocket ..... Each $1 25

No **75.** Men's size full laced mitt, made of black Cordovan leather, firm padding and deep ready broke pocket, patent strap and buckle at wrist, a good strong and well made value ..... Each $1 00

No. **76.** Men's size, made entirely of fine brown tan stock, full laced edge for repadding, strap and buckle at wrist, ready broke pocket, an excellent value ..... Each $1 00

No **73X.** A full size lace mitt, palm of black leather, back and fingers of wine colored leather, thumb lace and natural deep pocket, strap and buckle at wrist, a substantial value Each $0 75

No **71.** A choice generous size mitt with good brown tan leather palm, back and finger, special firm padding also laced thumb and buttoned wrist band, correct style and shape Each $0 50

No **67X.** Regular boys' size, all leather mitt strong, tan colored palm, back and fingers laced thumb and buttoned back, exceptional value Each $0 25

No. **67.** Well made boys' mitt of extra value, tan leather palm and fingers, heavy canvas back, well made and firmly padded pocket ..... Each $0 25

Full Rights Carried in Stock in the Following Numbers 87, 71, 73X, 75, 79, 82, 85.
Nos. 87, 67X—One-half Dozen; Nos. 71, 73X, One-third Dozen; Balance One-Twelfth Dozen in a Box

CATCHERS' MASKS

Nos. 15-12

Nos. 10-5

Goldsmith Guaranteed SPORTING GOODS

No. **15.** Men's Mask, made of heavy, electric welded annealed steel wire, black gun metal enameled, well padded with leather has leather chin and forehead pieces ..... Each $1 00

No **12.** Amateur, good strong electric welded, black enameled steel wire, well made and substantially finished, leather side pads, chin and forehead pads ..... Each 75

No **10.** Youths' Mask, good strong, electric welded black enameled wire, well made leather pads, best and strongest Mask made at the price..... Each $0 50

No. **5.** Boys' Mask, good weight, bright electric-welded steel wire, with continuous leather-faced side pads Each 25

All Masks One in a Box

BODY PROTECTORS

PADDED

Front View

No. 200 League

Waterproof army khaki, heavy fiber ribs padded with felt. Extra pad extending over the shoulders. A special sole leather piece bends the protector, keeping it away from the body. No jar or blow can affect the wearer Adjustable straps, conforming correctly with the body. Can be rolled up in a very compact space.

No. **200.** Each $5 00

Rear View

No. **175.** Men's size, made of 16-ounce canvas, has heavy cane ribs, heavily padded with best felt, an excellent value..... Each $2 00

No. **171.** Youths' size, made of canvas, padded with felt, in the most careful manner Each $1 00

Nos. 175-171

INFLATED BODY PROTECTORS

No. 12—Umpires' Protector

Highest quality para rubber covered with strong, heavy duck Specially designed shoulder extensions.

No. **12.** Each $8 50

No. 8—Professional

Fine para rubber, covered with waterproof army khaki has strong air cells, special body strap.

No. **8.** Each $7 00

Nos. 7-6

No. 7—League

The rubber air cells and white duck covering are of best quality. Affords best of protection.

No. **7.** Each $6 00

No. 6—Club

Splendid protector of good grade rubber. Has seven air cells, our challenge value.

No. **6.** Each $5 00

No. 4—Amateur

Youths' size. Materials are substantial; the rubber air cells are reinforced and stayed.

No. **4.** Each $3 50

CATCHERS' AND UMPIRES' LEG GUARDS

No. 11

No. **11.** Umpire, moulded fiber leg piece, with knee and ankle piece of leather, properly cushioned to prevent injury..... Per Pair $5 00

No. **7.** Moulded leather knee cap, leg piece is heavily padded and stiffened with willow reeds, special ankle pads, covered with best white leather Per Pair $5 00

No. **4.** Moulded leather knee piece, with shin, and ankle pieces covered with heavy white duck, very substantial and practical..... Per Pair $3 50

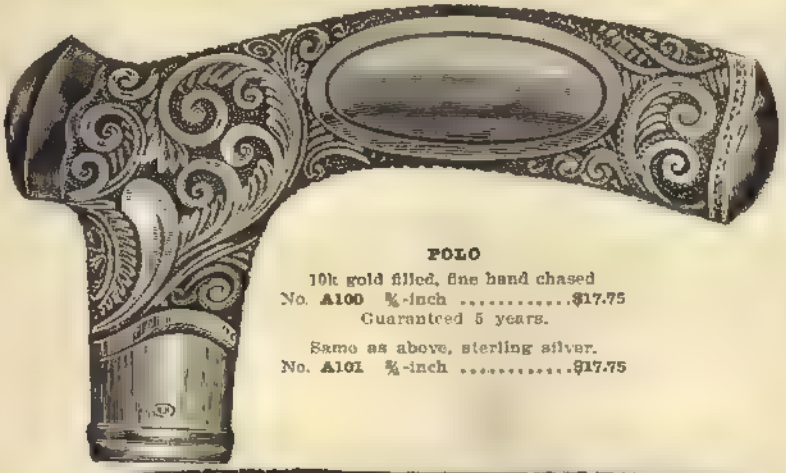
All Above One in a Box.

No. 7

Fine Gold Filled and Silver Cane and Umbrella Heads

PRICES EACH

1863 1917



POLO

10k gold filled, fine hand chased
No. **A100** ⅞-inch $17.75
Guaranteed 5 years.

Same as above, sterling silver.
No. **A101** ⅞-inch $17.75

OCTAGON

14k gold filled, fine hand chased.
No. **A102** ⅝-inch ..$15.50
No. **A103** ¾-inch .. 20.00
No. **A104** ⅞-inch 24.45
No. **A105** 1-inch .. 26.85
Guaranteed 10 years.

Same as above with 14k solid gold top for engraving
No. **A106** ⅝-inch .. $33.25
No. **A107** ¾-inch .. 39.75
No. **A108** ⅞-inch . 48.75
No. **A109** 1-inch . 57.70
Guaranteed 25 years.

DOME

14k gold filled, fine hand chased.
No. **A110** ⅝-inch $17.75
No. **A111** ¾-inch .....
No. **A112** ⅞-inch 26.60
No. **A113** 1-inch .. 33.25
Guaranteed 10 years.

Same as above with solid gold top for engraving
No. **A114** ⅝-inch .. . $33.25
No. **A115** ¾-inch . 39.75
No. **A116** ⅞-inch . .. 48.75
No. **A117** 1-inch . 57.70
Guaranteed 25 years.

OPERA

10k gold filled fine hand chased
No. **A118** ⅞-inch $17.75
Guaranteed 5 years.

Same as above, sterling silver.
No. **A119** ⅞-inch 17.75

POLO

14k gold filled fine hand chased
No. **A120** ⅝-inch $26.60
No. **A121** ¾-inch .. . 31.10
No. **A122** ⅞-inch . . 35.50
Guaranteed 10 years.

Same as above with 14k solid gold engraving shield
No. **A123** ⅝-inch . . . $50.60
No. **A124** ¾-inch 62.10
No. **A125** ⅞-inch 71.00
Guaranteed 25 years.

Prices quoted are for complete canes with fine quality ebony sticks. Heads only without ebony sticks can be furnished if so desired. Deduct from complete price quoted cost of ebony sticks as follows: 1-inch, $9.45; ⅞-inch, $8.20; ¾-inch, $7.10; ⅝-inch, $5.85; ½-inch, $4.65. For prices of umbrella bases without handles see page 332.

DOME

10k gold filled, fine hand chased.
No. **A126** ⅞-inch ...$17.75
Guaranteed 5 years.
Same as above, sterling silver.
No **A127** ⅞-inch ...$17.75

CAP

14k gold filled fine hand chased
No. **A128** ⅞-inch .. . $20.00
No. **A129** 1-inch 24.45
Guaranteed 10 years.

OPERA CROOK

14k gold filled, fine hand chased

No. **A130** ⅞ inch $22.20
No. **A131** ⅞-inch 26.60
No. **A132** ⅞-inch 31.10
Guaranteed 10 years

Same as above with 14k solid gold engraving shield.

No. **A133** 1-inch . . .$42.20
No. **A134** ⅛-inch 51.00
No. **A135** ¾-inch 62.10
Guaranteed 25 years.

G.W. HUNTLEY CHICAGO

Fine Walking Sticks

Prices Each

1863 1917

No. A136 Light brown finished wood round. Sterling silver band $3.00
No. A137 Wide cover stripped, two sterling silver bands 3.00
No. A138 Brown dotted finish wood sterling silver band.....

No. A139 Half round gray color wood, wide sterling silver band. $4.75
No. A140 Light color, six sided wood, sterling silver bands 4.75
No. A141 Gray color wood, round sterling silver cap and band.... 4.75

No. A142 Fine malacca wood, wide sterling silver band $7.10
No. A143 Fine gray color wood. Cutout sterling silver band..... 9.50
No. A144 Square stick, dark color finish etched sterling silver cap.. 9.50

Popular Priced Umbrellas—Not Interchangeable

Good Quality. Gloria Silk Covers, Selvage Edge. Illustrations One-Half Size. Complete With Cover and Silk Tassels.

Gent's umbrella, boxwood handle
No. A145. ....$3.60

Lady's umbrella
Dowel handle
Length 24 inches
No. A146 .. $3.60

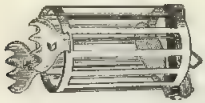
26-inch bases

Lady's umbrella, natural ebony handle
Length 12 inches
No. A147.. . $3.60

Gent's umbrella, natural ebony handle
No. A148.....$3.60

GOPHER TRAPS

IDEAL

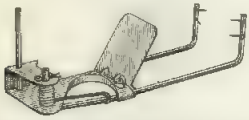


Guaranteed to catch small or large pocket gophers. Round construction; gopher walks into trap before detecting anything in the runway. Wrought steel, japanned. Cylinder 5x3 in.

	Wt. per doz.	Per doz.
Ideal	8 lbs.	**$6.00**

One dozen in a box.

SALOF



Steel body, heavy wire jaws and spring. Self setting, positive in action. New parts replaced by removing cotter pin. Painted dark green. Length over all, 8 in.

	Wt. per doz.	Per doz
Salof	6 lbs.	**$6.00**

One dozen in a box.

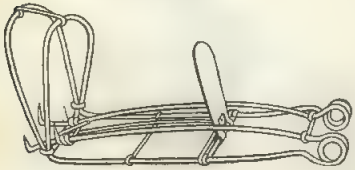
MACABEE

Steel spring wire. Painted green. Two prongs. Length over all, 6 in.

	Wt. per doz	Per doz.
Macabee	2 ½ lbs	**$3.00**

Two dozen in a box.

IMPROVED C. V.

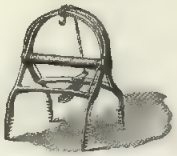


Steel spring wire. Four prongs. Double rings. Reinforced top and bottom. Length over all, 6 in.

	Wt. per doz	Per doz.
C. V.	3 ¾ lbs.	**$3.50**

One dozen in a box.

OUT O'SIGHT



Malleable iron. Japanned green. No. 4 steel wire spring and trigger. Steel lever. Five teeth in each jaw.

	Wt. per doz.	Per doz.
Out O'Sight	24 lbs.	**$14.00**

One in a box.

WARD'S

Wrought iron bar. Cast brass beveled jaws.

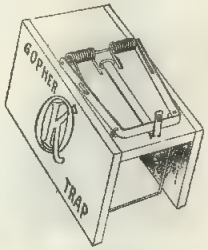
	Wt. per doz.	Per doz.
Ward's	3 lbs.	**$4.50**

Same pattern and construction as genuine Ward's, except has wrought brass jaws.

	Wt per doz.	Per doz.
Ward's Pattern	3 lbs.	**$3.00**

One dozen in a box.

O. K. BOX TRAP



Wood box painted red. Size 6 ½x3 ¾x3 in. Coppered wire spring. Galvanized flat wire ring, trigger and catch. Has ⅛ in. hole in closed end.

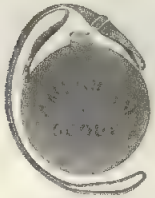
	Wt. per doz.	Per doz.
O. K. Box Trap	8 ½ lbs.	**$3.50**

Loose.

CANTEENS

AIR TESTED

AMERICAN SCOUT



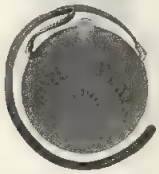
AMERICAN SCOUT

Meets requirements of boy scouts and others needing a small canteen. Made of galvanized steel, seamed and soldered, zinc mouth piece. Covered with heavy dead grass colored duck. Strap has a nickel slide for adjusting the length. Made only in 1 quart.

	Wt. per doz.	Per doz.
American Scout		$18.00

One in a carton.

GOVERNMENT



No. 13

Galvanized steel, seamed and soldered. Zinc mouth piece. Covered with heavy dead grass colored duck. Strapped.

No.	Pts.	Size, in.	Wt. per doz.	Per doz.
13	3	8	12 lbs.	$18.00

REGULAR

NOS. 12 TO 20

Galvanized steel, seamed and soldered. Zinc mouth piece. Covered with heavy blanket. Strap made of heavy duck.

No.	Qts.	Size, in.	Wt. per doz.	Per doz.
12	2	7¾	18½ lbs.	$16.00
14	4	8¾	19½ lbs.	22.00
16	6	10¼	23½ lbs.	28.50
18	8	11¼	30 lbs.	32.00
20	10	12¼	40 lbs.	40.50

One dozen in a crate.

U. S.

No. 33

High quality charcoal tin, seamed and soldered. Aluminum mouth piece with brass chained cork. Olive green duck covering. Strapped.

No.	Pts.	Size, in.	Wt. per doz.	Per doz.
33	3	8	12 lbs.	$28.00

One in a carton.

AUTOMOBILE

NOS. 111 TO 113

Made of galvanized steel, seamed and soldered. Covered same as Regular, with flat bottom to prevent tipping over or rolling; will stay put.

No.	Gallons	Wt. per doz.	Per doz.
111	1	42 lbs.	$21.00
112	2	46 lbs.	24.00
113	3	53 lbs.	34.00

One-half dozen in a crate.

Guitars

No.		Each
12492	Birch back and sides, enlarged model, rosewood finish, imitation mahogany neck, walnut fingerboard, pearl position dots, inlaid sound-hole, strung with steel strings, broad strip down center of back	$ 9.10
12582	Grand concert size, same description as No. 12492	10.40
12502	Birch back and sides, enlarged model, mahogany finish, imitation mahogany neck, walnut fingerboard, pearl position dots, inlaid sound-hole, nickel plated tailpiece, fancy colored wide stripe on back, strung with steel strings	9.10
4802	Mahogany finish back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole, fancy colored stripe on back, neck mahogany finish, fingerboard with pearl position dots, our own nickel plated patent head, No. 30 metal tailpiece, nickel plated, strung with steel strings	11.20
4852	Same description as No. 4802, but edge inlaid and bound with celluloid	11.90
4902	Same description as No. 4802 but fine hand polish, and edge inlaid and bound with celluloid	14.15
5052	Dark mahogany finish back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole, edge inlaid with fancy colored woods and bound with celluloid, fancy colored stripe on back, neck mahogany finish, fingerboard with pearl position dots, nickel plated patent head, No. 30 metal tailpiece, nickel plated, strung with steel strings, finely polished	14.15
6152	Birch back and sides, dark mahogany finish, hand polished, spruce top, broad, fancy colored wood inlaying around sound-hole and edge top and back edges bound with celluloid, fancy colored stripe on back, neck mahogany finish, fingerboard with pearl position dots, nickel plated patent head, No. 30 metal tailpiece, nickel plated, strung with steel strings finely polished	15.45
6202	Beautifully figured birch back and sides, dark mahogany finish, hand polished, spruce top, fancy, colored wood inlaying around sound-hole, corded inlaying on edge, top and back edges bound with celluloid fancy inlaid stripe in back, neck mahogany finish, veneered head piece, rosewood fingerboard, pearl position dots, nickel plated patent head No. 35 metal tailpiece nickel plated strung with steel string, finely polished	19.00
9702	Dark mahogany finish back and sides, hand polished, spruce top, fancy colored wood inlaying around sound-hole and edges and down center of back, top and back edges bound with celluloid, ebonized fingerboard with pearl position dots, brass patent heads, ebonized bridge, strung with steel strings	17.70
6102	Same description as No. 6152, three-quarter size, strung with steel strings on metal tailpiece No. 30	15.45

Guitar Outfits

1002 This Outfit contains one of our ever popular No. 12502 Guitars, which is made of solid birch, back and sides; enlarged model, fine mahogany neck, solid walnut fingerboard with pearl position dots; inlaid sound-hole, nickel plated tailpiece, and strung with best steel strings; also one of our high-grade canvas cases, and a handsomely nickel plated Capo d'Astro, a guitar thumb pick, one of our guitar fingerboard charts, by the use of which a player can easily master all notes and positions on the fingerboard, 1 complete Warner's Instructor, which not only contains the elementary instructions for playing the guitar, but also contains a number of easy and popular selections. A set of best grade steel strings, one of our guitar tuning pipes, with 6 pipes, E, B, G, D, A, and E, which makes guitar tuning merely a matter of a few seconds with the youngest player $14.40

1012 In this Outfit we include our popular "Jupiter" Guitar, No. 5052 finished in dark mahogany, hand polished, with spruce top, fancy colored wood inlaying around sound-hole, edges inlaid with fancy colored wood and bound with celluloid, handsome mahogany finished neck, fingerboard inlaid with pearl position dots fitted with our own patent heads and tailpiece, strung with the best grade steel strings. The case and all other sundries included with this Outfit are the same as described in Outfit No. 1002 ..... 20.05

1022 Outfit No. 102 contains our handsome standard size "Lakeside" Guitar, No. 6202, which has a beautifully figured birch back and sides, finished in a dark mahogany, elegantly hand polished, with spruce top, fancy colored wood inlaying around sound-hole. Corded inlaying around edge, and both top and back edges bound with celluloid, fancy inlaid stripe down the center of the back; the neck is finished in fine mahogany with neatly veneered head-piece, solid rosewood fingerboard, pearl position dots, fitted with our own nickel plated patent head and tailpiece, strung with best grade steel strings. The case and all other sundries included in this Outfit are the same as described in Outfit No. 1002 ..... 24.70

1032 We include in Outfit No. 1032, our handsome up-to-date "Lakeside" Guitar, No. 5462. This is a particularly attractive instrument, being made of the finest quartered oak, back and sides, beautifully hand polished, with spruce top, broad colored wood inlaying around sound-hole, top and back edges inlaid with fancy colored wood and bound with white celluloid, broad strip of fancy colored wood inlaying down the center of the back, fine mahogany finished neck veneered headpiece, solid rosewood fingerboard, pearl position dots, and fitted with our own nickel plated patent head; strung with best grade steel strings. This is a particularly handsome looking instrument, and one that is sure to catch the eye of any purchaser. The case and all other sundries included in this Outfit are the same as described in Outfit No. 1002 .. 25.75

Banjos

10 INCH.

No.		Each
11962	Nickel shell, wood lined, stained imitation cherry neck, German silver raised frets, 7 nickel-plated hexagon brackets, calf skin head	$ 9.35
11982	Same description as No. 11962 with 9 nickel-plated hexagon brackets	10.40
6072	Nickel shell, wood lined, calfskin head, 7 nickel-plated hexagon brackets, single wired edge shell, raised frets, position dots imitation mahogany neck	10.80
6092	Same description as No. 6072, with 9 nickel-plated brackets	11.20

12 INCH.

Nickel Shells, Wood Lined, Calfskin Heads.

No.		Each
11092	13 nickel-plated hexagon brackets, raised frets, birch neck	$12.30
11102	17 nickel-plated hexagon brackets, raised frets birch neck	13.35
11112	25 nickel-plated hexagon brackets, raised frets, birch neck	14.40
11222	25 nickel-plated hexagon brackets, raised frets, birch neck, wired edge	16.10
11242	39 nickel-plated hexagon brackets, raised frets, birch neck, wired edge	17.75
11252	Same as No. 11242 with white celluloid pegs	19.25

DOUBLE WIRED EDGE.

No.		Each
8252	Nickel-plated, double wired shell, 10½ inches in diameter, 3 octave scale, 25 hexagon brackets, rabbeted top band, calfskin head, mahogany finished neck, heavy ebony finger board and head piece, pearl position dots, black pegs, nickel-plated tailpiece	$21.10
8312	Same description as No. 8252, with 31 brackets	23.65

Mandolins

No.		Each
12082	9 ribs, maple and walnut, inlaid sound-hole, tortoise celluloid guard plate, walnut fingerboard, position dots, nickel-covered tailpiece	$ 7.85
12102	9 ribs, mahogany and walnut white inlay between, inlaid sound-hole, black celluloid guard plate, inlaid, cedar neck, rosewood fingerboard, pearl position dots, nickel-covered tailpiece	8.95
12112	11 ribs, dark mahogany finish with black inlaying between, broad wood inlaying around sound-hole and edges, celluloid bound, hand rubbed, spruce top, solid mahogany neck, ebonized fingerboard, ebony celluloid guard plate, pearl position dots, nickel-plated head shell tailpiece	11.20
12162	21 rosewood ribs, white inlay between, inlaid edges, bound with pearl and [illegible] guard plate, pearl butterfly inlaid, cedar neck rosewood veneered headpiece ebony fingerboard, pearl position dots, nickel-covered tailpiece	14.20
5012	18 ribs mahogany finish with black inlaying between, broad fancy colored wood inlaying around sound-hole and edges, celluloid bound, spruce top, mahogany finish neck, rosewood fingerboard and tortoise celluloid guard plate, pearl position dots, our own nickel plated patent head, nickel shell pattern tailpiece	12.70
5022	18 ribs of solid mahogany with black inlaying between, extended rosewood apron, [illegible] broad fancy colored wood inlaying around sound-hole and edge, celluloid bound, spruce top mahogany finish neck, rosewood fingerboard and tortoise celluloid guard plate, pearl position dots, our own nickel plated patent head, nickel shell pattern tailpiece	13.55
5032	18 ribs of rosewood and maple with red inlaying between extended rosewood apron, [illegible] broad fancy colored wood inlaying around sound-hole, edge inlaid with corded inlaying and celluloid bound, spruce top mahogany finish neck, veneered headpiece, rosewood fingerboard and tortoise celluloid guard plate, pearl position dots, our own nickel plated patent head, nickel shell pattern tailpiece	15.70
6012	16 ribs of rosewood with white inlaying between, hand polished, broad fancy colored wood inlaying around sound hole, edge inlaid with [illegible] corded inlaying and celluloid bound, fancy inlaid tortoise celluloid guard plate, mahogany neck, veneered head piece, rosewood fingerboard, pearl position dots, our own nickel plated patent head, nickel plated combined wrist rest and tailpiece	19.25
6022	20 ribs of rosewood, white inlaying between, hand polished, broad fancy colored [illegible] inlaying [illegible] sound hole, edge inlaid with [illegible] fancy colored corded inlaying and celluloid bound, tortoise celluloid guard plate with neat inlaid design of colored wood and pearl mahogany neck, rosewood veneered [illegible] rosewood fingerboard, pearl position dots, our own nickel plated patent head, nickel plated combined wrist and tailpiece	[illegible]

6032	28 ribs of rosewood, white inlay between, hand polished, broad fancy colored corded inlaying around sound-hole [illegible] plated combined wrist rest and tailpiece	$23.25
6042	42 ribs of rosewood with white inlay between, hand polished [illegible] fingerboard celluloid bound, fancy pearl position marks our own nickel plated patent head [illegible] plated combined wrist rest and tailpiece	26.80
6052	52 ribs of rosewood with white inlay between beautifully hand polished, extra broad fancy colored inlaying around sound-hole and edge, celluloid bound sound-hole, edge [illegible] plated combined wrist rest and tailpiece	29.50
6062	52 ribs of rosewood with white inlay between, hand [illegible] plated combined wrist rest and tailpiece	38.80

No.		Each
6072	52 ribs of rosewood with white inlay between, beautifully hand polished [illegible] sound-hole and edge, celluloid bound, fancy pearl engraved position marks, our own nickel plated covered patent head, nickel plated [illegible] piece	$47.20
6082	28 ribs of [illegible] beautifully colored and [illegible] sound-hole and edge, celluloid bound, fancy pearl position marks, our own nickel plated patent head nickel plated combined rest and tailpiece	32.50

12 STRING MANDOLINS.

15022	12 strings, 18 ribs of solid mahogany with black inlaying between, [illegible] sound-hole and edge, celluloid bound, spruce top, mahogany finish neck, rosewood fingerboard and tortoise celluloid guard plate, pearl position dots, our own nickel plated patent head, nickel plated shell pattern tailpiece	17.75
16032	12 strings, 28 ribs of rosewood white inlay between, hand polished, [illegible] sound-hole and edge, celluloid bound, [illegible] fingerboard celluloid bound, fancy pearl position marks, our own nickel plated patent head, nickel plated combined wrist rest and tailpiece	27.90

No.		Each
2002	This Outfit contains one of our popular No. 12082 Mandolins, 9 ribs, maple and walnut, attractively inlaid sound-hole, tortoise celluloid guard-plate, walnut fingerboard with position dots and nickel covered tailpiece, one of our high-grade canvas cases, a Warner's Complete Instructor, which contains elementary instruction for playing the Mandolin, and also a number of easy and popular selections, a complete set of the best grade Mandolin strings, a fingerboard chart, by the use of which every note on the fingerboard is clearly marked, and enables the beginner to acquire accurate fingering with much less study than heretofore. Also one of our mandolin tuning pipes, with 4 pipes tuned E, A, D, G, and by its use a mandolin can be turned quickly and accurately	$10.60
2012	This Outfit contains one of our Jupiter Mandolins, No. 5012, which has 18 ribs, dark mahogany finish with black inlaying between, broad colored wood inlaying around sound-hole and edges very neatly celluloid bound, finished throughout with a highly varnish finish, spruce top mahogany finished neck, solid rosewood fingerboard, tortoise celluloid guard plate, pearl position dots, fitted with our own nickel plated patent head and nickel shell pattern tailpiece. All the accessories described in Outfit No. 2002 are contained in this outfit	14.35
2022	We include with Outfit No. 2022 one of our high grade Lakeside No. 5032 mandolins, which has 9 ribs of rosewood and maple, neatly inlaid with red inlaying between, each rib extended rosewood apron, handsomely polished, broad colored wood inlaying around sound-hole edge inlaid with corded inlaying and celluloid bound, spruce top mahogany finish neck, rosewood fingerboard and tortoise celluloid guard plate, pearl position dots fitted with our own patent head and nickel shell pattern tailpiece. All the accessories described in Outfit No. 2002 are contained in this Outfit	17.75
2032	In this Outfit we include one of our American Mandolins which is made of 11 ribs of solid rosewood, with white inlaying between; handsomely hand polished broad colored wood inlaying around sound-hole edge inlaid with beautiful colored corded inlaying and neatly bound in celluloid, it has fancy tortoise celluloid guardplate, solid mahogany neck, veneered headpiece, solid rosewood fingerboard, pearl position dots, fitted with our own patent head and our combination wrist rest and tailpiece. All the accessories described in Outfit No. 2002 are contained in this Outfit	24.00

Fine Hall Racks

Finest of Materials

Best Workmanship

Made of selected quarter-sawed oak, golden oak finish, height 72 inches, width 24 inches, 10x19 plate mirror, fine metal hooks, shipping weight about 65 pounds.

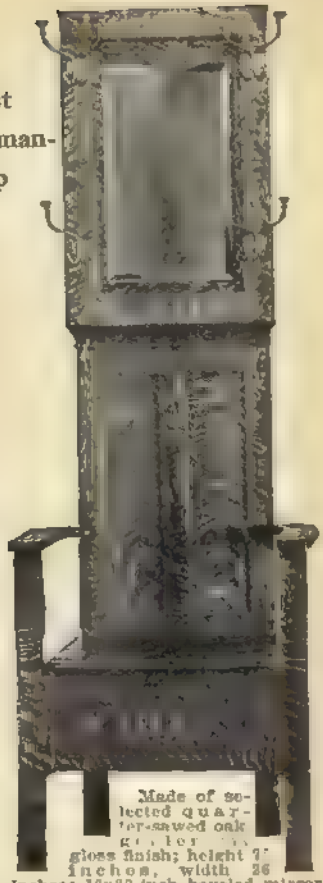
No. 1022 Each $19.80

Made of selected quarter-sawed oak, golden oak gloss finish, height 75 inches, width 36 inches, 10x17-inch beveled mirror, metal hooks, compartment under seat, shipping weight about 90 pounds.

No. 1052 Each $29.25

Made of selected quarter-sawed oak, fumed or early English finish. Height 78 inches, width 30 inches. 12x18-inch beveled mirror. Metal hooks. Compartment under seat. Shipping weight K. D., 95 pounds.

No. 1602 Each $33.90



Made of selected quarter-sawed oak, golden oak gloss finish; height 77 inches, width 26 inches; 12x20-inch beveled mirror. Metal hooks. Compartment under seat. Also made in imitation mahogany and red gum, gloss finish. Shipped K. D. Weight crated, 90 pounds.

No. 1072 Oak, each $36.90

No. 1072M Mahogany, each 36.90

Made of selected quarter-sawed oak, golden oak gloss finish, height 75 inches, width 24 inches, 12x18-inch beveled mirror, fine metal hooks, compartment under seat, shipping weight about 100 pounds

No. 1252 Each $39.55

Made of selected quarter-sawed oak, golden oak polished finish, height 77 inches; width 25 inches; 12x40-inch beveled mirror; fine metal hooks. Compartment under seat. Also made in mahogany finish. Shipping weight about 115 pounds.

N 1122 Oak each $48.00

N 1123 Mahogany finish each 48.00

Shipped F. O. B. our southern Indiana factory.

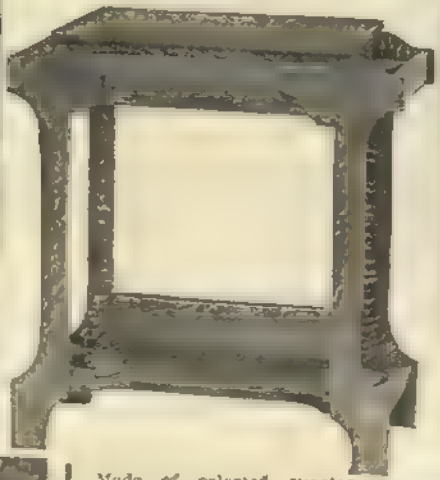
Made of selected quarter-sawed oak, golden oak polished finish. Height 77 inches, width 24 inches, 18x[illegible]-inch beveled mirror. Metal hooks. Compartment under seat. Also made in natural [illegible] finish. Shipped K. D. Weight crated, 125 pounds.

N 1142 Oak each $56.50

Fine Hall Seats and Mirrors

Made of selected quarter-sawed oak—golden oak gloss, fumed or early English finish. Height of seat 38 inches; width 35 inches; [illegible] Shipping weight, 50 pounds. With mirror [illegible] inches. Fitted with [illegible] box beneath seat and metal hooks. Shipping weight, 75 pounds.

No. 15142	Seat, Each	$28.35
No. 15132	Mirror, Each	20.70
No. 151423	Set complete	47.05

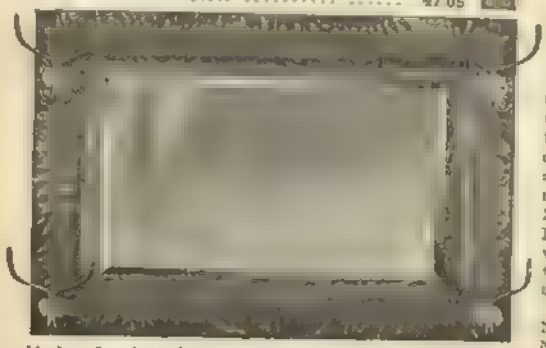


Made of selected quarter-sawed oak—golden oak, polished, fumed or early English finish. Height of stand, [illegible] inches; width, 31 inches. [illegible] ted with umbrella hold [illegible] drawer. Shipping weight, about 50 pounds. Height of mirror frame, 34 inches, width, 23 inches. 18x30-inch mirror. Fine metal hooks. Shipping weight, about 50 pounds. Also furnished in the popular Austrian or Kaiser gray finish.

		Each
No. 2162	Stand	$21.70
No. 2152	Mirror	26.35
No. 21562	Set complete	48.05

Made of selected quarter-sawed oak—golden oak, polished or dull finish. Also fumed or early English. Height of [illegible] 30 inches, width [illegible] inches; [illegible] with flat [illegible] weight [illegible] pounds. Inside of [illegible] from [illegible] inches wide [illegible] inches deep. [illegible] Fine metal hooks. Shipping weight, 40 pounds.

No. 1402	Seat, Each	$33.90
No. 1332	Mirror, Each	29.25
No. 139402	Complete set	63.15

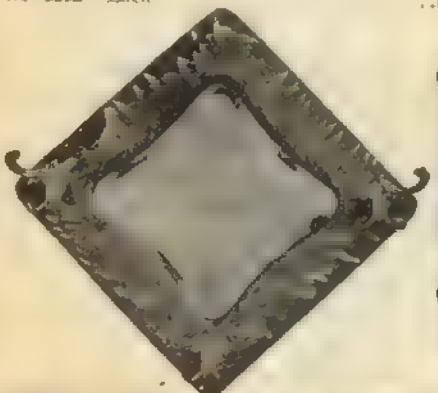


Made of selected quarter-sawed oak—golden oak, polished, fumed or early English finish. Height of frame, 19 inches; width, 27 inches. 12x20-inch beveled mirror. Fine metal hooks. Shipping weight, about 35 pounds.

No. 1592 Each ..$12.85

Made of selected quarter-sawed oak, golden oak, polished, fumed or early English finish. Height of frame, 17 inches; width, 30 inches; 12x20-inch beveled mirror. Fine metal hooks. Shipping weight, about 25 pounds.

No. 10032 Each $22.60



Made of [illegible] golden oak, polished, fumed or early English finish. Fitted with [illegible] mirror. Metal hooks. Shipping weight 20 pounds.

No. 10002 Each $9.95

Made of solid quarter-sawed oak—golden oak, polished, fumed or early English finish, 12x18-inch beveled mirror. Metal hooks. Shipping weight 25 pounds.

No. 10022 Each.....$13.10

Made of solid quarter-sawed oak—golden oak, polished, fumed or early English finish. Height, 17 inches; width, 22 inches. Fitted with 12x12-inch beveled mirror. Metal hooks. Shipping weight, 21 pounds.

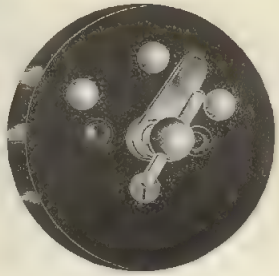
No. 10012 Each.....$11.30

SHIPPED F. O. B. OUR SOUTHERN INDIANA FACTORY.

SWITCHES

ROUND

NOS. 1606 TO 1615



No. 171

KEYSTONE

NOS. 1626 TO 1629

Wood base. 2¼ in. diameter. Nickel-plated lever and points.

No.	Points	Each
1606	1	$0.14
1607	2	.16
1608	3	.18
1609	4	.20
1610	5	.26
*1611	6	.30
*1613	8	.40
*1615	10	.42

Rubber base. Nickel-plated trimmings.

No.	Points	Each
*171	1	$0.35
	2	.40
	3	.50
	4	.60

Rubber base. Nickel-plated trimmings.

No.	Points	Each
1626	1	$0.32
1627	2	.36
1628	3	.46
1629	4	.70

*Factory shipment only.

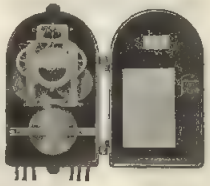
TIME CLOCKS

FOR WINDOW LIGHTS, SIGNS, ETC.

No. 16450

Requires no metal box or cabinet. Just wind the clock, turn on lights and they will be thrown off automatically at the time set. A high grade Seth Thomas clock movement and standard push button switch are used. Knockout holes provided in slate base for concealing wiring. For throwing lights off only, 10 amp., 250 volts D. P. Prices on application.

No.	Each
16450	$16.00



HARTFORD

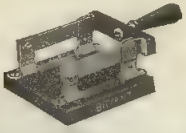
The Hartford time switch will automatically turn your lights on and off at such times as desired with no further attention than the weekly winding. 110-250 volts D P, 10 amp. Type B for signs, show windows, etc Type G for apartment houses.

No	Each
Type B	$24.00
Type G	27.00

Prices on other styles and sizes on request.

BABY KNIFE SWITCHES

PORCELAIN BASE—125 VOLTS



Single Pole, Single Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1436	15	100	10	40 lbs.	$0.34
*1437	30	100	10	45 lbs.	.44

Single Pole, Double Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1454	15	50	10	25 lbs.	$0.60
*1455	30	50	10	27 lbs.	.74

Double Pole, Single Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1438	15	100	10	65 lbs.	$0.42
*1439	30	100	10	70 lbs.	.50

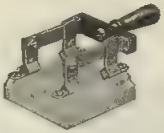
Double Pole, Double Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1456	15	50	5	55 lbs.	$0.74
*1457	30	50	5	58 lbs.	.90

Triple Pole, Single Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1440	15	25	5	30 lbs.	$0.90
1441	30	25	5	32 lbs.	1.10

SLATE BASE—250 VOLTS



Single Pole, Single Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg	Each
1636	15	100	10	45 lbs.	$0.40
*1637	30	100	10	50 lbs.	.50

Single Pole, Double Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
*1654	15	50	5	35 lbs.	$0.68
*1655	30	50	5	37 lbs.	.84

Double Pole, Single Throw

No.	Amp.	Std pkg	Carton	Wt pkg.	Each
1638	30	100	5	100 lbs.	$0.50
*1639	30	100	5	105 lbs.	.60

Double Pole, Double Throw

No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
1656	15	50	5	75 lbs.	$0.86
*1657	30	50	5	78 lbs.	1.04

Triple Pole, Single Throw

No	Amp.	Std. pkg.	Carton	Wt pkg.	Each
1640	15	25	5	40 lbs.	$1.04
*1641	30	25	5	45 lbs.	1.30

Triple Pole, Double Throw

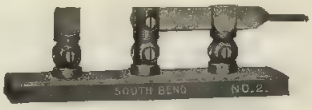
No.	Amp.	Std. pkg.	Carton	Wt. pkg.	Each
*1658	15	10	1	24 lbs.	$1.40
*1659	30	10	1	26 lbs.	1.64

*National Electrical Code Standard.

SWITCHES

BATTERY

No. 1



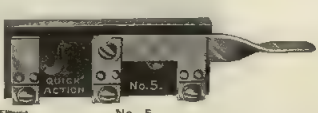
No. 2

BLACK FIBRE BASE

No.		Std. pkg	Wt. std. pkg.	With insul. handle each
1	Single pole, single throw	200	36 lbs.	$0.27
2	Single pole, double throw	100	30 lbs.	.37

No. 4

No. 3



No. 5

COMPOSITION BASE

No.		Std. pkg.	Wt. std. pkg.	With hard rubber handle, each
3	Single pole, single throw	200	30 lbs.	$0.22
4	Single pole, double throw	100	28 lbs.	.52
5	Single pole, double throw	100	22 lbs.	.32

Announcing the

HATFIELD

Model A Touring Car

A High-Grade, Medium-Priced, 5 Passenger Car

Into the new Model A Hatfield, we have put all of that extra value that has marked the products from this quarter of a century old concern. We feel that this car matches in strength, beauty, comfort and service, cars made to sell at a much higher figure.

A full-floating rear axle, oil disc clutch, a silent, flexible, powerful motor, extra long semi-elliptic springs, soft, luxurious upholstery,—these are a few of the features that make the Hatfield at $950 a car that is bound to dominate the field.

We also Manufacture the Following Models

Model H—Roadster $875
Model B—Speedster Roadster $875
Model I—Suburban Car $800
Model K—Light Express $765

FULL SPECIFICATIONS

Motor—Four cylinders, cast en bloc, high speed design. L-head type with valves enclosed; 3¼ inch bore, 4½ inch stroke, 3 point suspension. Horsepower 24. Cooling—Thermo-syphon system. Radiator, cellular type. Transmission—Selective, sliding-gear type, three speeds forward and reverse, center control (ball type). Clutch—Oil disc, positive and non grabbing. Lubrication—Constant level splash system with positive oil pump. Ignition—Connecticut latest improved type. Carburetor—Zenith, vertical type. Front Axle—One piece, drop forged I-beam section, annular ball bearings. Rear Axle—Genuine full floating type. Brake—Two sets service, external contracting, for emergency, internal expanding. Wheelbase—115 inches. Tread—56 inches. Wheels—Wood, artillery type, 12 spokes. Tires—32 by 4 inches, non-skid in rear, Firestone demountable rims. Frame—Extra depth channel steel; frame tapered, thus insuring short turning radius. Drive—Pure Hotchkiss, positive and flexible, two Spicer universal joints. Springs—Semi-elliptic front, 52 inch flexible semi-elliptic rear. Steering—Irreversible type adjustable, left-side drive. Starter—Dyneto, 2 unit type, Bendix drive, starting switch on toe board. Body—Handsomely designed and unusually comfortable, cowl front seat. Equipment—Stewart vacuum feed, Stewart speed ometer; full ventilating rain-vision windshield, motor-driven horn; one-man rain-proof top, eight-day clock, sightfeed oil gauge, battery indicator. One extra rim with carrier in rear, tool kit, including jack, pump and tire repair outfit. Willard storage battery, six volt.

Our aim of quality, rather than quantity, necessarily limits our output of cars. Dealers should write or wire us immediately for territory, as individual orders will be accepted for a limited time.

Cortland Cart & Carriage Company

Motor Dept. **Sidney, N. Y.**

$950 F.O.B. SIDNEY, N.Y.

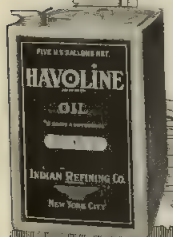
The Havoline Sign Means Sales

Are you cashing in on the selling value of the big, new, glistening Havoline sign? Nail it up and keep it up. It will move your stock of

HAVOLINE OIL

REG. U.S. PAT. OFF.

"It makes a difference"



The Havoline sign ties up your establishment with the terrific Havoline Oil advertising smash that is sweeping the country with irresistible force.

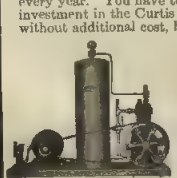
Every time you sell a can of Havoline you retard the depreciation and prolong the life of some owner's car. That's Service.

Indian Refining Company, NEW YORK
Incorporated

Producers and Refiners of Petroleum

HOW CAN WE GET MORE NEW CUSTOMERS AND HOLD THEM AFTER WE GET THEM?

This is a big problem with every garage that has any competition. It is easy enough to get the business if you have no competitors. Don't cut prices. Don't spend money on expensive service plans, which increase your cost of operation out of proportion to the amount of business brought in. Furnish your customers AIR FREE FROM OIL. They know that it means increased tire mileage, less repairs, less tire expense, and saves them many dollars' upkeep every year. You have to have an air compressor anyway, but an investment in the Curtis puts you in position to give better service without additional cost, because you furnish



CURTIS AIR—FREE FROM OIL

The Curtis Compressor has controlled splash oiling system. It cannot flood the cylinder with more oil than it needs or can use. We have manufactured air compressors for over 25 years. We have had the experience. We are specialists in this line. We can furnish you with 5 different sizes or 128 combinations of styles and arrangements of outfits.

Your jobber very likely handles the Curtis Compressor. Ask him, but insist on a Curtis. If he does not handle the Curtis, send in the coupon

The Curtis Compressor helps make yours the best garage in town.

Curtis Pneu. Machy. Co.

1577 Keinlen Ave. ST. LOUIS — 530D Hudson Terminal NEW YORK

ASK YOUR JOBBER
If for any Reason He Cannot Quote on Curtis Compressors.

SEND THIS COUPON

CURTIS PNEU. MACHY. CO
1577 Keinlen Ave. St. Louis

Please send me your complete catalog on compressors, telling how to select the right garage compressor.

MY NAME . . . .

MY JOBBER . . . . . .

MY ADDRESS . . . . . .

SODA FOUNTAIN SUPPLIES

"HOLAR HEART" BRAND READY MADE SYRUPS

Ready to serve, do not require any addition. Easiest method of handling syrups in small quantities. STATE FLAVOR DESIRED

½ Gal Jar—Without preservative. FLAVORS: Wild Cherry Chocolate Orange Lemon Pineapple Raspberry Root Beer Sarsaparilla, Strawberry and Vanilla.

Y8247 Jar 75c

1 Gal Jug—With preservative. FLAVORS: Wild Cherry Chocolate Orange Lemon Pineapple Raspberry Root Beer Sarsaparilla, Strawberry and Vanilla.

Y8246— Gal $1.30

SYRUPS FOR "PERFECTION" COOLERS

Syrups—Mix 1 gal syrup with 4 gals water and serve. Used also at fount; the same as any other high grade fountain syrup. 1 oz. serving is equal to 16 ozs. or glasses. Retailed at ¼ each brings 200 to 300 per gal or $4.00 on 1 gal concentrated syrup

	Gal
Y234—Cherryade—	
1 gal. jar	$1.80
5 " lots	1.70
Y235—Orangeade—	
1 gal. jar	1.80
5 " lots	1.70
Y236—Grapeade—	
1 gal. jar	1.80
5 " lots	1.70
Y237—Lemonade—	
1 gal jar	1.80
5 " lots	1.70

Note—With an order amounting to 40 gal. we include 1 cooler free.

"POLAR BEAR" BRAND CONCENTRATED SYRUPS

Prepared from the finest fruits and flavors by a special cold process. Uniform quality and richness. Dilute with three, four or five times in bulk of simple syrup

Without Preservative—½ gal Jug	Jug
Y9628—Root Beer	$0.85
Y9629—Sarsaparilla	.85
Y9630—Chocolate	.85
Y9631 Vanilla	.65
Y9610—Lemon	.65
Y9611—Orange	.85
Y9612—Pineapple	.85
Y9614 Strawberry	.85
Y9625—Cherry	.80
Y9626 Grape	.70
With Preservatives—1 gal Jug	**Jug**
Y8230—Root Beer	$1.65
Y8231 Sarsaparilla	1.65
Y8232 Lemon	1.65
Y8233 Vanilla	1.65
Y9615—Lemon	1.65
Y9616—Orange	1.65
Y9617—Pineapple	1.65
Y9618—Raspberry	1.65
Y9619—Strawberry	1.65

SOLUBLE COCOA

Polar Bear Brand Fountain Cocoa —For making chocolate fountain syrup. Formula for making: Use 5 lb. soluble cocoa, 2 parts hot water 1 can condensed milk, 5 lbs. granulated sugar, 1 oz. vanilla extract.

	Lb	
Y9344—1 lb. can	Lb	$0.38
Y8245—5 "	"	.35

"POLAR BEAR" BRAND CRUSHED FRUITS, ETC.

No better line of crushed fruits on the market in size of the fruit, amount in each jar weight and flavor. Dilute with five or three times its bulk of simple syrup.

Y 8245 Y9339

Without Preservative—1 qt.	Jar
Y9340—Pineapple	$0.65
Y9341—Raspberry	.65
Y9634—Strawberry	.65
Y9640—Peach	.65
Y9641—Walnut halves in maple syrup	.75
Y9339—Maraschino Cherries	.65
Y8238—Red Whole Cherry vegetable colored	.65
With Preservative—½ gal Jar	**Jar**
Y 8237—Pineapple	$1.20
Y 8240 Peach	1.20
Y8236—Raspberry	1.20
Y8237—Strawberry	1.20
Y8241 Pot-pourri or Chop Suey flavor (a mixture of nuts raisins, figs and heavy syrup. Jar	$1.15
Y8235—Maraschino Cherries Jar,	$1.40
Y8240—Nut Frappe. For sundaes, chopped English nuts used dry or with simple syrup Jar,	$1.65

"MALO" ICING

Y8255—1 qt. friction top can. A scientifically made icing, now household article superior to whipped cream and more economical 1 doz. in box... Doz. $2.40

"MALLO" PRODUCTS

Marshmallow Creme—Scientifically made marshmallow fondant, used for topping sundaes, frappes, chocolates, etc. Serves the purpose of whipped cream is less expensive and will not spoil 1 gal can.

Y8248—Plain	Each, $0.90
Y8249—Caramel flavor	1.20

Butter Scotch Sundae Delicious butter scotch preparation for ice cream, sundaes etc

Y 8454—½ gal. can Each, $1.20

LEMONADE OR SODA STRAWS

Y226—Regulation size, 8¼ in., clean and sanitary, extra strong, full count. 500 in carton

Carton, 15c

Y252—Sone's Seamless. Clean, sanitary, odorless. 500 in cylinder tube.

TUBE, 18c

Case lots of 100 tubes.

Case, $16.75

"PERFECTION" COOLERS

The most sanitary and economical way for dispensing soft drinks such as carbonated beverages, root beer, wild cherry, etc. White enameled body, gold and bronze stripings, glass bottles heavy nickel plated brass automatic spigots and drain plugs, cold bronze finish steel skeleton stands.

Single Cooler—3 gal ba., non shape glass bottle, ice cap 15 to 20 lbs. Holds 2, 3 or 5 gal bottle

Y9591—1 in carton 75 lbs. Complete $10.25

Double Cooler—Two 1 gal glass bottles, ice cap, 25 to 30 lbs. Holds 1 or 2 gal. bottles.

Y9592—1 in case about 70 lbs. Complete, $13.75

SANITARY SODA GLASSES OR DRINKING CUPS

Very popular, sanitary and very economical, to be thrown away after using, does away with the washing and breaking of glasses.

Lily Sanitary Drinking Cups—

Y9607 12 oz. Heavy paper, well waxed ½ M (500) in pail, Per M $5.25

"HEATHER MINT" CHEWING GUM

The Gum That is Full of PEP—The Flavor Pleases and Lasts—The Plaid Box Attracts

Note: Special cut-out counter display stand offer: With every order for 3 boxes we will include one handsome "Silent Salesman" stand.

Best quality pure chicle gum, strongly flavored with peppermint, crumbleproof. Manufactured from the purest and best materials obtainable under the most sanitary conditions. For the short time that we have had this gum on the market it has proven a wonderful success. This is wholly due to the QUALITY and ATTRACTIVE PACKING. It will pay you to feature "HEATHER MINT" Gum. The price enables you to make more PROFIT than usual. The quality will satisfy your trade and make it a REPEATER. Try a box. Display it in a prominent place and watch your results.

Included with every order for 3 boxes is a 10¾x13½ in. litho plaid cut-out "Silent Salesman" display stand, which holds one box of gum. The most attractive chewing gum pkg. on the market.

"HEATHER MINT"—High quality chicle gum, absolutely pure, highly flavored with peppermint, crumbleproof, lasting flavor. Each slab foil wrapped and banded, 5 slabs in plaid wrapper, 20 pkgs. in handsome plaid display box.

Y8675—Single box lots (without display stand) Box, **55c**

Y8671—Special deal. 3 boxes with display stand (Complete $1.65) Box, **55c**

NEW THINGS FOR JUNE SELLING

"UNIVERSAL" HAIR BOW FASTENERS

Now profit paying, staple hair ornaments. Don't fail to stock them. Demonstration here will help to quicken sales.

N4477

N4478

"Universal" brass, gold finish heavy metal mountings, spring wire clasps. 3 doz. on card, 1 with demonstrating bow. 1 card in box.

N4477—Fleur de lis filigree top ..... (Total $1.44) ..... Doz. 72c

N4478—Ruby, emerald and sapphire style settings in blossom mountings. (Total $1.56) ..... Doz. 78c

SELF SHANK TROCHAS OCEAN PEARL BUTTON ASSORTMENT

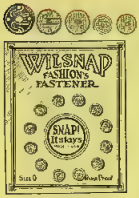
Buttons are being extensively used for all kinds of trimmings. This is an exceptionally good number.

B8163 Self shank, Trochas ocean pearl, first quality, perfect shape, lustrous finish.

Line	12	14	16
No. of cards	16	16	16
Buttons on card	12	12	12

Compartment display cabinet, 48 cards in asst. ..... Card 6¼c
(Total for asst. $2.00)

"WILSNAP" FASHION'S FASTENERS—Made in U. S. A.



Snap! It stays. Made of brass, rightly designed, perfectly made—positive in action. Attractively put up. The card sells, the snap makes good. That's the "Wilsnap" way. Extensively advertised, in big demand—our stocks complete to take care of your needs.

Open Stock—Made of brass, 1 pc. bronze wire spring, guaranteed rust and trouble-proof, 12 on card. 1 gro. (12 cards) in box.

Size	Nickeled	Black	Gro.
0	N2130	N2131	75c
00	N2132	N2133	
000	N2134	N2135	

Cabinet Asst—Best selling proportions of above sizes and finishes, in hinged partition cabinet.

N2136—6 gro. (72 cards) in cabinet.

(Total for asst. $4.50) ..... Gro. 75c

OUR FAMOUS "CANDY SHOP"

The best way to get results from your candy department is to put this compact attractive candy shop at the front of your store. It will pay rattling good returns besides pulling trade for your other departments.

Y3—"Candy Shop." Comprising counter square, candies and supplies listed below. Shipped k. d, Can be set up in short time.

1 only P8320 horseshoe square, golden finish, solid oak, 8 ft. long, height 32 in., top of counter 27 in. wide. Space inside square, 3 ft. 6 in. by 4 ft. Fitted with sanitary iron legs and spring doors. Complete boxing underneath for reserve stock, oak shelf behind glass for scale and wrapping $18.00

2 only W1289 candy show cases—5 ft., with plate glass shelf ..... Each, $13.00 26.00

1 only P4138 glass section, connecting two cases in front 3.00

1 only Y718W Chatillon candy scale, white enameled, 1 pc. nickel plated solid brass scoop, 8 oz. nickel plated trip beam, weighs 2 lbs. by half ounces 5.00

12 only Y9255 Snyder expansion trays, metal base, 21 in. long, 6 in. with groove running full length in center in which is inserted plate glass divider 4 in. high, ground edges forming 8 spaces in each case. (More can be added if desired) ..... Each, 75c 9.00

12 only C36 glass candy trays ..... .72

1 only Y858 brass candy scoop ..... .25

2 only candy assortments, Y939 and Y940 (fully described on regular candy pages) Each consisting of 10 kinds, 10 lbs. Each 100 lbs. in case. Total 200 lbs. at 11½c 23.00

1 only Y822 "Blue Bonnet" chocolate asst. Ten 5 lb. boxes in cases including most popular sellers. (Described on regular candy pages). Total 50 lbs. at 18½c 9.25

Value at regular prices, $94.42

Our SPECIAL PRICE for Complete Asst **$87.50**

Note—As above Mahogany finish $87.50
" " Unfinished (squares only) 85.50
" " With 14 tin trays, instead of glass dividers $7.50 less

Note—Any separate item included in this asst. will be sold separately at prices quoted.

High Grade Sterling Silver Deposit Ware

Appropriate Designs in Sterling Silver on First Quality Full Blown Blanks

SALT
Diameter 1⅝ in.
No. **E433** Each ..$0.75

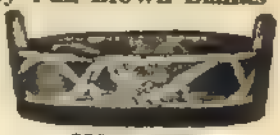
TOOTH PICK HOLDER
Height 2¾ inches
Width 4 inches.
No. **E434** Each ..$1.45

SALT AND PEPPER
Silver plated top.
Height 3 inches.
No. **E435** ... $3.85
Per pair.

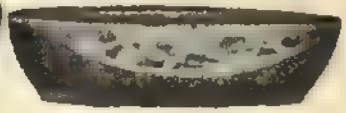
SALT OR PEPPER SHAKERS
Sterling silver tops.
Height 3¼ inches.
No. **E436** ...$4.05
Per pair.

FINGER BOWL
Diameter 4½ inches
No. **E437** Each..$3.45

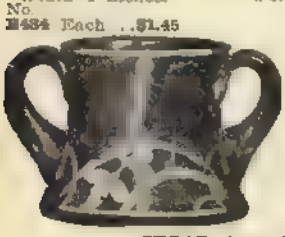
COLOGNE
Height 2⅜ inches
Capacity 1 ounce
No. **E438** Each. $3.60
Capacity 2¾ ounces.
No. **E439** Each..$6.75



OLIVE DISH
Height 1¾ inches.
Diameter 4⅜ inches
No. **E440** Each.....$5.35



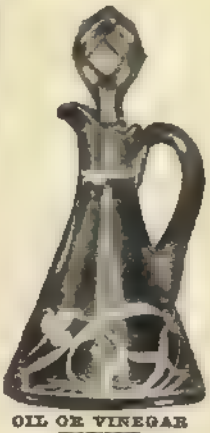
OLIVE DISH
Length 5½ inches.
No. **E441** Each..... $1.85



SUGAR AND CREAMER
Sugar: Height, 3 inches; diameter, 2⅝ inches
Cream: Height, 4 inches; diameter, 3½ inches.
No. **E442** Per set..... $5.75

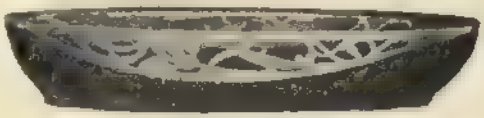
SUGAR AND CREAMER
Height, 3½ inches, width, 6 inches
No. **E443** Per set.....$3.75

SUGAR AND CREAMER
Height 3½ inches, width 5 inches.
No. **E444** Per set.....$3.45



OIL OR VINEGAR
BOTTLE
Capacity 7 ounces.
No. **E445** Each.....$7.25
Same as above.
Capacity 4 ounces.
No. **E446** Each.... $5.20

SUGAR AND CREAMER
Height, 2¾ inches; width, 4¾ inches.
No. **E447** Per set $3.25



SPOON TRAY
Dimension, 8⅛x1½ inches.
No. **E448** Each $3.15

HANDLED NAPPY
Diameter, 5 inches.
No. **E449** Each..... ..$3.35

LEMON DISH
Height, 1½ inches, diameter 5 inches.
Cut star bottom
No. **E450** Each.....$3.15

COVERED BON BON OR PUFF BOX
Height 3½ inches
Diameter 6¼ inches
No. **E451** Each $3.65

FRUIT BOWL
Depth 7 inches
No. **E452** Each. $5.75

PUFF BOX
Height 3 inches
Diameter 4 inches
No. **E453** Each .$5.75

INDIVIDUAL BERRY BOWL
Diameter, 4¼ inches; depth, 1⅛ inches
No. **E458** Each.....$3.15

COASTER
Height, ⅝ inch.
Diameter 4 inches.
No. **E455** Each $16.80

SUNDAE
Height 5⅛ inches
Diameter 4¾ inches.
No. **E454** Each.....$3.75

GRAPE FRUIT BOWL
Diameter, 5 inches.
Depth, 3 inches.
No. **E456** Each $4.35

CANDLESTICK
Height 8 inches.
Diameter 3 inches at top
No. **E457** Each..... $6.75

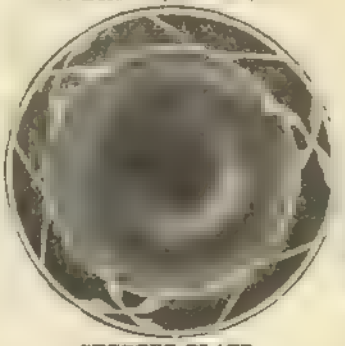
BERRY BOWL
Diameter, 8 inches; depth, 3⅛ inches.
No. **E459** Each.. ..... $13.00

Heavy Weight Sterling Silver Deposit Ware

The best quality for blown hand work produced by combining the most approved methods and the most skilled workmanship. Our prices are the lowest at which such goods can be sold by any dealer in the country. Our facilities for producing this class of goods are unequaled and we offer the most attractive lines on the market.

VASE
Height 8 inches
No. E460 each $5.75

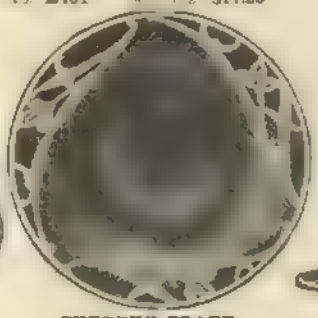
SHERBET GLASS
Height 3 inches
Diameter 3½ inches
No. E461 per doz. $14.00



SHERBET PLATE
Diameter 5½ inches
No. E462 ...per doz. $17.20

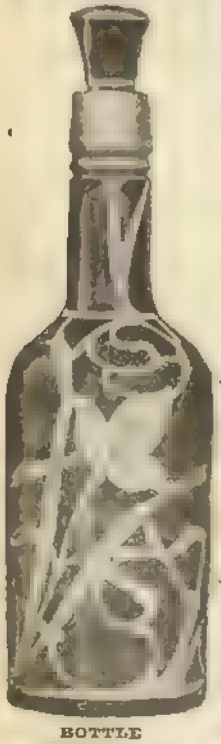
VASE
Height 8 inches
No. E463 .. .. each $7.25

SHERBET GLASS
Height 3½ inches
Diameter 3½ inches
No. E464 ... doz. $17.20



SHERBET PLATE
Diameter 5½ inches
No. E465 ... per doz. $20.80

VASE
Height 12 inches
No. E466 each $13.00



BOTTLE
Capacity 1 pint
No. E467 ... $7.20

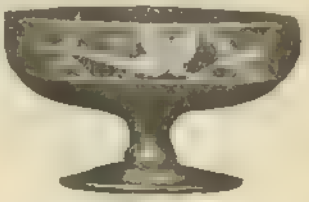
WHISKEY GLASS
Height 2½ inches
No. E468 each $1.45

INDIVIDUAL NUT BOWL
Height 2 inches
Diameter 3½ inches
No. E469 each $2.85

INDIVIDUAL NUT BOWL
Height 2½ inches
Diameter 4½ inches
No. E470 each $2.45

SANDWICH PLATE
No. E471 Diameter 8 inches. each $5.75
No. E472 Diameter 10 inches. each 7.00

MARMALADE JAR
Height 5 inches
Diameter 4½ inches
No. E473 ... each $9.60



COMPOTE
Height 3 inches
Diameter 5 inches
No. E474 ... each $3.75

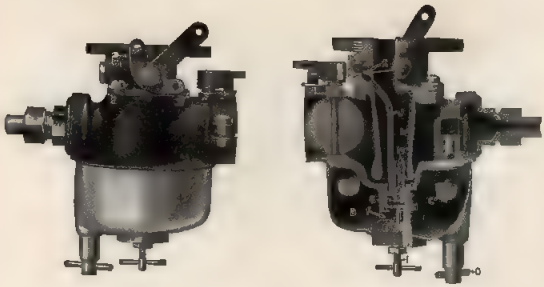
JUG
Capacity 4 ounces.
No. E475 ... S 8.65
No. E476 Water set, comprising jug and 6 tumblers ... 17.25

TUMBLER
No. E477
Capacity 10 oz.
Per dozen...$17.28

TALL COMPOTE
Height 6 inches.
Diameter 3 inches.
No. E478 ..each $4.75

TUMBLER
Capacity 10 oz.
No. E479
Per doz.... $24.40

JUG
Capacity 60 ounces.
No. E480 ... each $13.00
No. E481 Water set, comprising jug and 6 tumblers per set 25.20



MODEL "K" HOLLEY CARBURETOR

is a refinement of its predecessor Model "H." The internal areas have been greatly increased, resulting in a corresponding gain in power without increasing the fuel consumption. Descriptive matter sent on request.

HOLLEY BROTHERS COMPANY
DETROIT, MICH.

CENTURY TIRES

"Quality First" is ever the uppermost thought in the production of **Century Tires** and governs every step of procedure, from the purchase of the raw materials to the final inspection. Hand-made throughout.

The result is tires of such super-excellence that they serve better, last longer and give much greater satisfaction than those made to sell on price.

Adjusted on 6000 mile basis

Some splendid agency opportunities are available. Particulars on request.

Territory for a few agencies is available.

Manufactured by

Rubber Insulated Metals Corporation

Plainfield, New Jersey

FOR YOUR BARGAIN COUNTERS

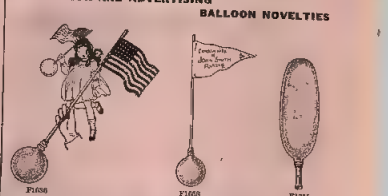
THE NEWEST IN TOY NOVELTIES

Pin Wheel—Heavy mill dyed manila paper pinwheel, assted. colors, on jointed heavy wire spindle smooth flat wood hand e.
F2907 3 doz. in box
(Total 72c)
Doz. **26c**

Combination Horn and Pipe Catch Game—5 in. imparting horn; fiber board horn with loud whistle, long turned wood handle, stained ball on string.
F2920—2 doz. in box
(Total 74c)
Doz. **37c**

Tantalus Game—20 in. turned wood handle with stained grip heavy fiber board cup and large wood ball on heavy string. Ball to be caught in cup.
F2909—1 doz. in box. Doz. **87c**

CELEBRATION AND ADVERTISING BALLOON NOVELTIES



F1656 F1658 F1655

F1656—Flag balloon, 60 cm. (23½ in.) valve for keeping inflated, 14 in. turned wood stick with 8½x8 cloth American flag.
1 doz. in pkg.
Doz. **40c**

F1658—60 cm. (23½ in.) valve for keeping inflated 14 in. turned wood stick with 9 in. white cloth pennant, printed edge, large space for name, special sales or other printed matter. An ideal souvenir.
1 doz. in pkg.
Doz. **40c**

F1655—Horn balloon, extra large, 21x8 with 3½ turned wood horn mouthpiece, extra loud noise. Excellent for New Year's parties and all kinds of celebrations. 1 doz. in pkg.
Doz. **78c**

"PREPAREDNESS AND DEFENSE" GAME

Endorsed by the American Defense Society. The latest American battleships, torpedo boats, aeroplanes, artillery, etc. Litho on heavy cardboard, seven bases. Ammunition can be removed. Statistical information on back of box and paper. Metal model strength.

F1978—48 pcs., 20½x28. 30 troopers, 12 cavalry, mounted artillery, battleship, torpedo boat, submarine, aeroplane, wood cannon with shells ½ doz. sets in hinged cardboard box.
Doz. sets. **$8.00**

DRESDEN WATER COLORS

F1728—12x9½, 10 assted. colors in wood dish, enameled partition cover pan, 2 water cups, wellmade partition box litho top, contains wax paper and felt covered large camel's hair brush, each with color chart. ½ doz. in pkg.
Doz. **$1.98**

"LITTLE SHOPPERS"

F1781—20x14 turboard playing surface, linen bound folding center, inside cum. Lowney's Chocolates, Karo Syrups, etc. 24 facsimile pkgs. for correspond. 4 little Shoppers. Moves regulated by colors of squares. Each in litho box, with instructions. 1 doz. in pkg.
Doz. **78c**

AMERICAN MADE NOVELTY DOLLS

Composition heads, painted features and hair, shoulder and hip joints.

"Rabbit Boy"—15½ in., white linsey suit, cut sleeves and trousers, belt, white helmet, small pkg. rabbit's skin, composition hands, black shoe feet.
F2837—½ doz. in box.
Doz. **$8.50**

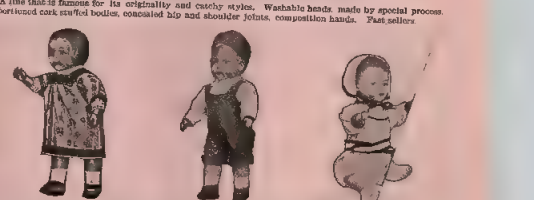
"Uneeda Kid"—16½ in., composition hands, removable yellow sateen coat and cap, water, striped romper, small pkg. "Uneeda Biscuit," stamped with registered name, black shoe feet.
F2838—½ doz. in box.
Doz. **$8.50**

"Tu Tu Kid"—15½ in., concealed hip and shoulder joints, composition hands, yellow sateen suit, all over brown mane, worsted pompons, matched cap, small pkg. Xu Sun. Each in box.
F2839—½ doz. in pkg.
Doz. **$8.50**

"Soldier Boy"—15 in., composition hands, khaki color uniform, leather tube belt, sewed pockets, brass buttons, felt hat, leggings and shoes. Each in box.
F2840—½ doz. in box
Doz. **$10.25**

"HORSMAN" AMERICAN MADE DOLLS

A line that is famous for its originality and catchy styles. Washable heads, made by special process. proportioned cork stuffed bodies, concealed hip and shoulder joints, composition hands. Fast sellers.



Large Size Campbell Kids—Boys with solid color rompers. **Girls** with figured and dotted lawn guimpe dresses, lace and solid color trimmed underwear; both with kindergarten border yokes.
F2833—Boy, 14 in. white attached socks, felt slippers. ½ doz. in box.
Doz. **$9.00**
F2834—Girl, 14 in., white attached socks, felt slippers. ½ doz. in box.
Doz. **$9.00**

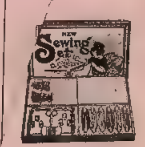
Peasant Boy—14 in. green overalls, white pique blouse, red piped green hood, attached stockings, felt slippers.
F2837—¼ doz. in pkg.
Doz. **$9.00**

Baby Runtings—14 in., white crinkle crepe moon strings, felt stitched bear slippers.
F2871—¼ doz. in pkg
Doz. **$9.00**

Peasant Girl—14 in. figured red percale dress, white yoke, lace trim, matched hood with chain under, wear attached socks, felt slippers.
F2903—½ doz. in pkg. Doz. **$9.00**

Sunbonnet Sal—15½ in., white gingham dress, flowered crepe apron, lace and braid trim, white lawn bonnet, lace trim underwear, stitched stockings, buckle slippers.
F2872—½ doz. in pkg
Doz. **$9.00**

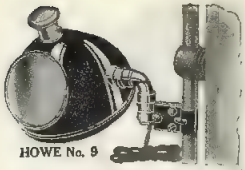
"LITTLE FOLKS" SEWING SET

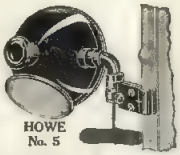


F2015—6 skeins assted. color cotton on cardboard form, 6 each large and small sewing cards with animals, flowers, etc. 2 boxes assted color beads, scissors, 6 spools mercerized cotton, needle and 2 mercerized cards on card, in 9½ x 13½ spaced litho box.
½ doz. in pkg.
Doz. **$4.00**

SEARCHLIGHTS

HOWE STANDARD
FITTED WITH CALIFORNIA BRACKETS


HOWE No. 9


HOWE No. 5

HOWE No. 15

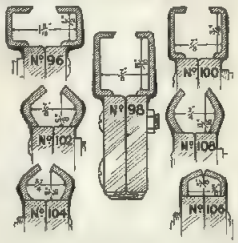
Front diameter, over all, 7½ in. Standard equipment 21 c.p., 6 volt, Mazda nitrogen bulbs, double contact. Larger voltage furnished if desired and higher candlepower bulbs can be used. Parabola of reflector accurately determined so as to give perfect spotlight at all distances. Howe Universal Joint Bracket with coil spring tension switch in knob, wire concealed and protected by the bracket, ready to be attached to the battery. Finished in baked-on black enamel; reflector heavy silver plated.

Wind shield clamps specially designed to fit all shapes and sizes of windshields. Specify make and year of car or clamp number.

Fitted with the Howe wonderful spring controlled bracket. This spotlight is turned as easily as the finger is pointed. With one hand you control the beam.

No.		Each
9	Fitted with 4 in. mirror	$7.00
5	Same as No. 9, only smaller	5.50
15	Howe, Jr.	4.50

BRACKETS FOR HOWE SEARCHLIGHTS



Plated. Fitted with round or square bracket.

	Clamp No. 1916	Clamp No. 1917
Abbott-Detroit	102	104
Allen	104	104
Apperson	102	102
Auburn	102	102
Birch	102	100
Bour-Davis 6		102
Briscoe	108	102
Buick D44-45	104	104
D34-35	98	98
Cadillac 8	108	108
Case	102	102
Chalmers	102	102
Chandler	102	102
Chevrolet	100	100
Cole	102	102
Crow-Elkhart	96	96
Daniels		108
Davis	102	102
Detroiter		104
Dixie		104
Dodge (12-volts)	102	102
Dort	98	98
Drexel		108
Elgin	96	96
Emerson-4		96
Empire	102	102
Enger Twin Six	102	102
Farmack	108	
Flat		Special
Ford (Battery)	108	108
Ford (Magneto)		
18 Volts	108	108
Franklin (12 volts)	104	100
Grant	102	102
H-A-L 12		108
Haynes	102	102
Hudson	102	102
Hupmobile	100	100
Interstate	102	102
Jackson	102	102
Jeffery	100	100
Jordan		102
King 8	104	98
Kissel Kar	102	102
Lexington-Mod. P	102	102
Lexington-Mod. T		96
Liberty		100
Locomobile	98	100
Lozier	102	106
Madison	102	102
Maibohm (12 Volts)		108
Marion-Handley	108	108
Marmon (12 Volts)	100	100
Maxwell	100	100
McFarlan		Special
Mercer	104	102
Metz	98	98
Mitchell 6	102	102
Moline Knight	104	104
Monroe		100
Moon (Roadster)	104	104
Moon (Touring)	104	100
National 6	102	100
Oakland 4 & 6	104	100
Oakland 8	100	96
Oldsmobile	102	102
Overland	Spl	106
Owen Magnetic (24 Volts)		Special
Packard	108	108
Paige	102	102
Paterson	102	102
Pathfinder 6	96	
Pathfinder 12 (3A & 3B)		98
(2C & 2B)		96
Peerless 8	104	102
Pierce Arrow		Special
Premier		102
Pullman (12 Volts)	102	102
Regal 20	96	96
Regal 30	108	96
Reo	98	98
Roamer	108	Spl.
Saxon 4 Roadster	108	108
Saxon 6	104	104
Scripps-Booth (Specify Voltage)	100	100
Standard 8	102	104
Stanley	102	102
Stearns Knight 4 (12 Volts)	102	104
Stearns Knight 8 (12 Volts)	102	102
Stewart		104
Studebaker	98	98
Stutz	102	102
Sun		102
Velie	102	102
Westcott	102	100
White (18 Volts)	Spl.	100
Willys-Knight	Spl.	106
Winton	100	100
Woods Mobilette	108	108

The number opposite each car is the number of the clamp generally used. In some cases windshields vary in size and shape, so we advise comparing your windshield supporting frame with the measurements given on the illustrations of the Howe Clamps. Order by number.

Ihrigs Quality Fountain Pens

The newest and best self-filling, non-leakable Fountain Pen made. Can be carried or laid in any position without danger of leaking. Guaranteed for all time. One press of the lever fills pen. Bisectional view showing simple lever operation.

Illustrations Actual Size.

No. 7682 No. 2 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... $ 4.00
No. 7683 No. 3 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 5.00
No. 7684 No. 4 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 6.00
No. 7685 No. 6 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 10.00
All the above fitted with German silver clip on cap, each, 60c extra.

Ihrigs Shorty, Illustration Actual Size

No. 7686 No. 2 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... $ 4.00
No. 7687 No. 3 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 5.00
No. 7688 No. 4 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 6.00
No. 7689 No. 6 Solid gold 14k pen, full chased or black holder, without clip on cap, each..... 10.00
All the above fitted with German silver clip on cap, each, 60c extra.

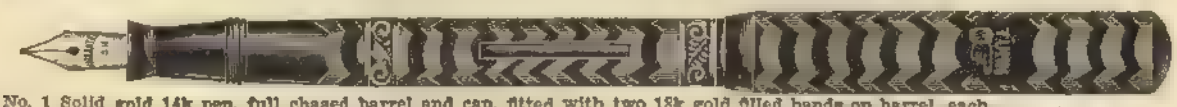
No. 7690 No. 2 Solid gold 14k pen, full chased holder, fitted with 18k gold filled band on cap, each..... $ 5.00
No. 7691 No. 3 Solid gold 14k pen, full chased holder, fitted with 18k gold filled band on cap, each..... 6.00
No. 7692 No. 4 Solid gold 14k pen, full chased holder, fitted with 18k gold filled band on cap, each..... 7.00
No. 7693 No. 6 Solid gold 14k pen, full chased holder, fitted with 18k gold filled band on cap, each..... 11.00
All the above fitted with German silver clip on cap, each, 60c extra.

The Jackson

These pens are self-filling and non-leakable. To fill, insert a small coin in slot on side of barrel. Release pressure, and the pen fills itself. Fully guaranteed.

No. 7694 No. 1 Solid gold 14k pen, full chased barrel and cap, each..... $2.25
No. 7695 No. 2 Solid gold 14k pen, full chased barrel and cap, each..... 2.95
No. 7696 No. 3 Solid gold 14k pen, full chased barrel and cap, each..... 3.35
No. 7697 No. 4 Solid gold 14k pen, full chased barrel and cap, each..... 3.75

No. 7698 No. 1 Solid gold 14k pen, full chased barrel and cap, fitted with 18k gold filled band on cap, each..... $3.10
No. 7699 No. 2 Solid gold 14k pen, full chased barrel and cap, fitted with 18k gold filled band on cap, each..... 3.75
No. 7700 No. 3 Solid gold 14k pen, full chased barrel and cap, fitted with 18k gold filled band on cap, each..... 4.15
No. 7701 No. 4 Solid gold 14k pen, full chased barrel and cap, fitted with 18k gold filled band on cap, each..... 4.55



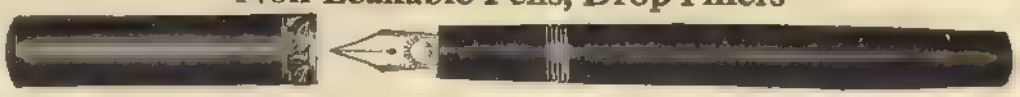
No. 7702 No. 1 Solid gold 14k pen, full chased barrel and cap, fitted with two 18k gold filled bands on barrel, each..... $3.95
No. 7703 No. 2 Solid gold 14k pen, full chased barrel and cap, fitted with two 18k gold filled bands on barrel, each..... 4.55
No. 7704 No. 3 Solid gold 14k pen full chased barrel and cap, fitted with two 18k gold filled bands on barrel, each..... 5.00

Ladies' and Tourists' Fountain Pen

This pen, when not in use, is drawn into the barrel and the ink supply cut off. The inner cap acts as a cork on a bottle, making it impossible for the pen to leak when not in use, regardless of what position it is placed. This pen will write with the first stroke on the paper, no matter how long it has been out of use.

No. 7705 No. 2 Solid gold 14k pen, full chased holder, each..... $3.35
No. 7706 No. 3 Solid gold 14k pen, full chased holder, each..... 4.15

Non-Leakable Pens, Drop Fillers



No. 7707 No. 1 Gold pen, gold band on cap, each..... $3.35
No. 7708 No. 1 Gold pen, plain, without gold band, each..... 2.50

No. 7709 Ladies' No. 1 gold pen, 2 gold bands on barrel, each..... $4.15

No. 7710 No. 2 gold pen, with 18k gold filled flat filigree, each..... $3.15

The Best in Fountain Pens

We absolutely guarantee these pens to give satisfaction. They are made of the finest materials obtainable, which, combined with first class workmanship, make them the greatest value in fountain pens on the market. Pens are 14k solid gold, hard iridium pointed. The holders are made of pure Para hard rubber, hand turned. The Self-Filler is the simplest on the market, therefore the most satisfactory. All of these pens are fitted with non-leakable screw caps, and cannot leak.

Self-Filling. Regular Length.

No. 7711 Plain or chased with No. 2 pen $4.15
No. 7712 Plain or chased with No. 3 pen 5.00

No. 7713 Plain or chased with No. 4 pen $6.65
No. 7714 Plain or chased with No. 5 pen 7.50
No. 7715 Plain or chased with No. 6 pen 8.35

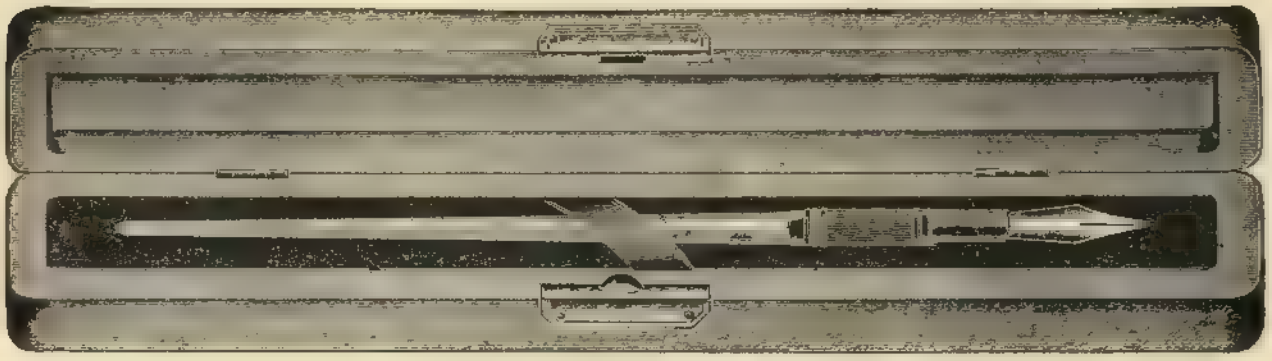
1/10-inch 15k gold filled filigree band on cap

No. 7716 Plain or chased with No. 3 pen $5.85
No. 7717 Plain or chased, with No. 3 pen 6.65

1/10-inch 15k gold filled engraved band on cap

No. 7718 Plain or chased, with No. 4 pen ..... $ 8.35
No. 7719 Plain or chased, with No. 5 pen 9.15
No. 7720 Plain or chased, with No. 6 pen 10.00

Gold Pens and Holders in Cases



Handsome velvet case with pen and pearl holder, 3 sizes

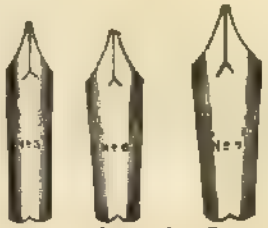
		No. 1	No. 2	No. 3
No. 7721	14k, per set	$2.85	$3.85	$3.90
No. 7722	10k, per set	2.50	2.90	3.35

10k and 14k Gold Pens

PRICES EACH

LONG AND SHORT NIB PENS

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9
14 karat, each	$1.40	$1.80	$2.10	$2.50	$2.95	$3.75	$4.20	$5.40	$6.85
10 karat, each	1.00	1.25	1.40	1.65	2.10	2.50	2.90	.....	.....



14K STUB PENS

No. 5	No. 6	No. 7
$2.95	$3.75	$4.20

"SENECA" CAMERAS AND CAMERA ACCESSORIES

"Seneca" 1917 models have all the features of the best makes, plus exclusive improvements. Our prices are equivalent to 33⅓ per cent off regular list, which means 50 per cent profit on cost to you. Now is the time to stock and push cameras. Here are the popular sellers. Order a good variety of these profit makers at once—and don't forget the accessories. Biggest camera values in the present market. **Note**—"Seneca" cameras take Eastman, "Vulcan" and other popular brands of roll films.

"SENECA" ROLL FILM FOLDING CAMERAS

Light wt., compact, handsome, durable, thoroughly efficient.

Body—Seasoned wood and aluminum.
Covering—Black seal grain leather.
Bellows—Leather grosgrain lined.
View Finders—Hooded, brilliant, reversible, sports level attached.
Equipment—Folding horizontal and vertical supports, rising and falling front, push pull shutter release, 2 tripod sockets, focusing scale.
Finish—Black nickel trim.
Rapid Symmetrical Lens—"Trio" shutter, time bulb, 1-100, 1-50 and 1-25 second exposures.

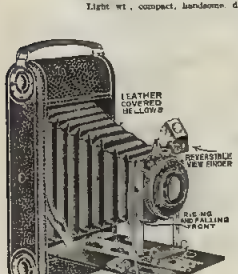
K8801—(Mfrs. 1A), picture 2½x4¼. Retails $16.00 ..... Each, $10.67
K8802—(Mfrs. 2), picture 3¼x4¼. Retails $17.50 ..... Each, $11.67
K8803—(Mfrs. 3A), picture 3¼x5½, post card size. Retails $20.00 . Each, $13.33

Special Anastigmat Lens—Speed F.7.5, sharp and fast. "Trio" SHUTTER, time bulb 1-100, 1-50, 1-25 and 1-10 second exposures.

K8806—(Mfrs. 1A Special), picture 2½x4¼. Retails $24.00 ..... Each, $15.00
K8808—(Mfrs. 3A Special), picture 3¼x5½, post card size. Retails $35.00. Each, $18.67

"Auto" Dustproof Shutter—Time bulb, 1-100, 1-50, 1-25, 1-10 and 1 second exposures. Has cleaning guard so as to meet all requirements.

K8806—(Mfrs. 1A Special A-A), picture 2½x4¼. Retails $34.50. Each, $16.33
K8809—(Mfrs. 3A Special A-A), picture 3¼x5½, post card size. Retails $50.00. Each, $20.00



"SENECA LITTLE INDIAN" ROLL FILM CAMERAS

Folding Vest Pocket Size

Leather Covered Metal Body—Ending dust trouble, leather covered bellows, brilliant view finders, folding supports, "Trio" automatic dustproof shutter, time, bulb and 1-100, 1-50, 1-25 second exposures. With case.

PICTURE—2½x4¼.

K8831—Miniscus Achromatic Single Lens. Retails $7.00 Ea. **$4.67**
K8835—Rapid Rectilinear Double Lens. Retails $8.00. Each, **$5.67**
K8836—Anastigmat Double Lens, F.7.5. Retails $15.50. Ea. **$9.00**

PICTURE—2¼x3¼.

K8835 (Mfrs. 2) Junior, double rapid rectilinear lens. Retails $10.00 ..... Each, **$6.67**

"SENECA SCOUT" ROLL FILM FOLDING CAMERAS

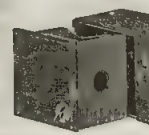
Folding Camera—Rapid Rectilinear double lens, "Trio" shutter with time bulb 1-100, 1-50 and 1-25 second exposures, push and pull release, rapid and adjustable view finder, leather covered, genuine lined leather bellows, vertical and horizontal folding supports, brilliant reversible view finder.

K8796—(Mfrs. 2A), picture 3¼x4¼. Retails $11.50 ..... Each **$7.34**
K8791—(Mfrs. 3), picture 3¼x5½. Retails $12.00 ..... Each, **$8.00**
K8795 (Mfrs. 3C), picture 3¼x5½. Retails $14.00 ..... Each **$9.00**
K8792—(Mfrs. 3A), picture 3¼x5½, post card size. Retails $13.00 ..... Each **$8.67**

"SENECA SCOUT" BOX FILM CAMERAS

Box Camera "Miniscus" single lens, wood and metal box, solid ends, fine finish leather covered, fixed focus, time and instantaneous exposure shutter, graduated diaphragm, 2 view finders for horizontal or vertical pictures. Each in box.

"Scout" box
K8[illegible]—Mfrs. 2), picture 2½x4¼. Retails $1.00 ..... Each **$1.33**
K8[illegible]—Mfrs. 2A), picture 3¼x4¼. Retails $1.50 ..... Each **$2.00**
K8812 (Mfrs. 2A), picture 3¼x4¼. Retails $1.97 ..... Each **$2.67**
K8813 (Mfrs. 3A), picture 3¼x5½, post card size. Retails $2.50 ..... Each, **$3.33**



LEATHER CAMERA CASES

Camera Cases—Hand sewed, black cowhide, snap fastener, for any make roll film camera. Each wrapped.

K8730—For camera taking 2¼x3¼ picture ..... Each **$1.25**
K8731—For camera taking 2½x4¼ pict ..... Each **$1.30**
K8[illegible]—For camera taking 3¼x4¼ picture ..... Each **$1.40**
K8732—For camera taking 3¼x5½ picture ..... Each, **$1.65**

"ARGO" DEVELOPING PAPER

Prints by any artificial light. Absolutely guaranteed. Doz. quotations for pkgs. of ½ grs.

"Blue Label" Contrast—

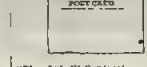
Size	Finish of Surface Matte	Glossy	Velour	Grs.	Doz.
2¼x3¼ in.	K7100	.....	K7190	$0.57	$0.07
3¼x4¼ "	K7057	K7001	K7131	.80	.08
3¼x5½ "	K7058	K7002	K7132	1.00	.10
4 x5 "	K7059	K7003	K7133	1.00	.10
5 x7 "	K7061	K7005	.....	2.00	.20
5 x7 "	.....	.....	K7134	2.00	.20

"Red Label"—Normal—

Size	Finish of Surface Matte	Velour	Grs.	Doz.
2¼x3¼ "	K7110	K7130	$0.57	$0.07
3¼x4¼ "	K7111	K7131	.80	.08
3¼x5½ "	K7112	K7132	1.00	.10
4 x5 "	K7113	K7133	1.00	.10
5 x7 "	K7114	K7134	2.00	.20

"ARGO" POST CARDS

Mail wt. stock. Printed according to postal regulations.



"Blue Label" Contrast—

No.	Finish	Grs.	Doz.
K7042	Glossy	$1.00	$0.10
K7043	Matte	1.00	.10
K7150	Velour	1.00	.10

"Red Label" Normal—

No.	Finish	Grs.	Doz.
K7145	Matte	$1.00	$0.10
K7140	Velour	1.00	.10
K7168	Glossy	1.00	.10

"VULCAN" DRY PLATES

"Vulcan" Exceptionally rapid, satisfies all ordinary photographic requirements, excellent for instantaneous photography such as street scenes, news studies, etc., where movement is present in the subject. 1 doz. in pkg.

K7200—3¼x4¼ ..... Doz **$0.30**
K7197—3¼x5½ ..... " .35
K7198—4 x5 ..... " .40
K7199—5 x7 ..... " .60

FILMS

A line of extraordinary merit from the standard of quality, sales and profit. The popularity of picture taking has created a big demand for films. They sell big everywhere. Gain more profit by buying here.

"VULCAN" ROLL FILMS

Made by the Eastman Kodak Co. Known everywhere. Big sellers. Individual packing, unless stated.

Size 1¼x2¼—6 exposure, for Vest Pocket "Seneca." Vest Pocket Kodak and No. 0 Brownie.
K254 4 rolls in box ..... Roll **15c**

Size 2x2¼—6 exposure, for No. 1 Kodak and No. 1 Brownie Film Seneca.
K210—1 roll in pkg. ..... Roll, **15c**

Size 2½x2½—6 exposure, for No. 2 Brownie, No. 2 Folding Brownie, No. 1 Kodak Junior and No. 2 Scout".
K240—4 rolls in box. ..... Roll, **15c**

Size 2¼x2¼—6 exposure, for 1A "Seneca," 2A Scout, 2A Folding Scout, 2A Brownie, 2A Kodak and 2A Folding Brownie.
K232—6 rolls in pkg. ..... Roll, **18½c**
K232-12—12 exp. 1 roll in pkg. ..... Roll **37½c**

Size 2½x4¼—6 exposure. 1 roll in pkg.
K250—For K8708 Folding Scout and 2C Kodak ..... Roll, **26c**

Size 3¼x4¼—6 exposure. 1 roll in pkg.
K250—For No. 3 "Seneca" and No. 3 Kodak. ..... Roll **26½c**
K[illegible]—No. 3 Scout, No. 3 Folding Scout, No. 3 Brownie and No. 3 Folding Brownie ..... Roll **26½c**

Size 3¼x3¼—6 exposure. 1 roll in pkg.
K244-6—For 3A Folding "Scout," 3A "Seneca," 3A Kodak and 3A Folding Brownie ..... Roll, **30c**
K244-10—10 exposure. 1 roll in pkg. ..... Roll, **52½c**

FILMS FOR "SCOUT" BOX CAMERA

Size 2¼x4¼—For K8812 "Scout," K8791 Folding Scout No. 3, 1 roll in pkg.
K245—6 exposure. ..... Roll, **26½c**

Size 3¼x3¼—For K8813 Scout, 1 roll in pkg.
K250—6 exposure. ..... Roll **30c**

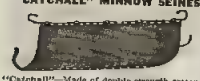
Size 2½x4¼—For K8810 Box "Scout No. 0" Hawk Brown or No. 2 Brownie, 4 rolls in pkg.
K240—6 exposure. ..... Roll, **15c**

Size 2¼x4¼—For K8811 Box "Scout" Kodak K8[illegible]—6 exp. 6 rolls in pkg. ..... Roll, **18½c**
K238-12—12 exposure. 1 roll in pkg. ..... Roll, **37½c**

SEINES NETS, BUCKETS TACKLE BOXES

Standard qualities, staple sizes, and expert workmanship make this line the equal of any other line on the market at similar prices.

"CATCHALL" MINNOW SEINES



"Catchall"—Made of double strength cotton twine, very strong and durable. All seines 4 ft. deep, ¼ in. mesh. Ins. seine wrapped.

K2384—10 ft. long.	Each,	$0.95
K2385—12 "	"	1.20
K2386—15 "	"	1.50
K2387—20 "	"	1.75

"Common Sense"—Strong and durable with ful ... ...ber of leads and floats. All seines are 4 ft. deep and ... in mesh. Each seine wrapped.

K2800—4 ft. long	Each,	$0.32
K2801—6 "	"	.60
K2802—12 "	"	.90
K2803—15 "	"	1.20
K2860—20 "	"	1.50
K2861—25 "	"	1.90

HAULING OR DRAG SEINES

Cotton Twine ... in two-inch mesh, a hemp cord-line lacing ... in deep, the two-inch hemp bottom ... armed with reverse lead pervents net from ... when dragged through wa... Each wrapped.

	Length	Depth	Mesh	Twine	Each
K2820—20 ft.	4 ft.	1 in.	No. 9		$1.35
K2821—30 "	6 "	1 "	" 9		1.85
K2822—40 "	6 "	1¼ "	" 12		2.30
K2823—40 "	6 "	1 "	" 12		4.20
K2824—60 "	6 "	1¼ "	" 12		3.40
K2825—60 "	6 "	1 "	" 12		4.75
K2826—80 "	8 "	1 "	" 12		7.50
K2827—90 "	8 "	1¼ "	" 12		9.10
K2828—75 "	8 "	1½ "	" 12		9.75

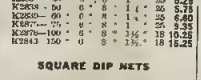
TRAMMEL NETS

You cannot find better trammel net values than these.

Linen Thread—Small mesh hung loosely between tightly drawn wings of large mesh, fish striking small loose linen netting push through large outside mesh forming a pocket in which they are caught. Complete with leads and floats, ready for use. Each wrapped.

	Outside Length	Depth	Inside Mesh	Mesh	Twine	Each
K2835—30 ft.	5 ft.	8 in.	1 in.	25		$3.25
K2836—40 "	6 "	8 "	1 "	25		4.40
K2837—50 "	7 "	8 "	1 "	25		5.25
K2838—60 "	8 "	8 "	1 "	25		5.75
K2839—60 "	6 "	8 "	1¼ "	25		6.60
K2867—75 "	6 "	8 "	1 "	25		9.35
K2870—100 "	6 "	8 "	1½ "	18		10.25
K2843 150 "	6 "	8 "	1½ "	18		15.25

SQUARE DIP NETS

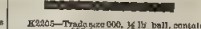


Dip Nets—1 in. square mesh, No. 18 soft cotton twine, roped edges, with loops at corners, each wrapped in package. Frame not included.

K2855—4x4 Wt. 12 oz.	Each	$0.37
K2856—4x4 " 18 "	"	.85
K2860—4x4 " 28 "	"	1.15

FIRST QUALITY TROT LINE AND STAGING—Clean White Stock

Trot Line in Balls—



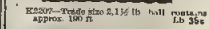
K2205—Trade size 000, ¼ lb. ball, contains approx. 350 ft. ..... Lb. 35c

K2206—Trade size 0, 1 lb. ball contains approx. 220 ft. ..... Lb. 35c

K2207—Trade size 2, 1½ lb. ball contains approx. 190 ft. ..... Lb. 35c

K2208—Trade size 4, 2 lb. ball, contains approx. 185 ft. ..... Lb. 35c

Staging in Balls—



K2202—Trade size 27, 2 oz. ball, approx. 66 ft. 5 lbs. in bag ..... Lb. 38c (Total $1.80)

K2203—Trade size 48, 4 oz. ball, approx. 65 ft. Lb. 36c

"L. D. L." FOLDING NET FRAME

K2411 30-in. handle, 24 in. spring steel collapsible frame, metal rail with brown net. Each, in cloth bag ..... Each, $0.85

MINNOW BUCKETS

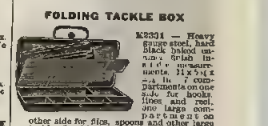
Bouble Bucket—IX heavy tin plate, top edge with heavy wire, green enameled gold decora., perforated tin liner, self-locking, perforated cover and sunk tin pan top.

K2335—6 qt.	Each,	$0.75
K2336—8 "	"	.85

Floating Bouble Bucket—Heavy tin plate, galvanized wire liner, perforated flanged cover, outside bucket has perforated cover with hasp, makes sinking impossible by removing liner.

K2337—8 qt.	Each,	$1.35
K2338—10 "	"	1.60

FOLDING TACKLE BOX



K2334 — Heavy japan steel, hard black baked enamel finish inside measurements, 11x9½x4 in. 7 compartments on one side for hooks, lines and reel, one large compartment on other side for flies, spoons and other large tackle, furnished with two keys. 1 in box.

Each, 75c

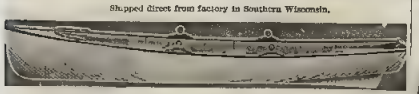
K2332—13½x8½x5 in. deep, heavy tin plate, nicely enameled gold decorated, 11 compartments, 2 removable trays, hinge and staple for locking. 2 in pkg. Each $1.15

ROW BOATS AND ACCESSORIES

The way to sell row boats and canoes is to show them. Here are picked winners that will please your trade. Order one or two as a sample. Put them in a prominent place in your store and you will have no trouble in getting the business. Our prices are absolutely right and will enable you to meet all competition on quality and price basis.

BOATS AND CANOES

Shipped direct from factory in Southern Wisconsin.



Smooth Planked Outboard Fishing Boats. Special design and construction. Highly recommended for use with outboard motors, made of the best quality materials, extremely steady, roomy and sea-worthy, handled easily with a pair of oars and will carry six persons, makes an ideal all around family or fishing boat.

Specifications

FRAME—Selected white oak

RIBS—2½x¾ in., spaced 6 in. at center,

PLANKING—1¼x2¾ in., fastened to ribs with galvanized fastenings.

DECK, COAMING and GUNWALES—Selected oak fastened with brass screws.

FINISH—Inside of boat painted two coats of marine green, outside thoroughly smoothed and painted three coats of best marine white, decks and gunwales are finished natural with three coats of spar varnish, joints caulked with white lead, seams, nail and screw holes filled with white lead, ... Each, $51.00

"Easy Row" Square Stern Rowboat, designed for its graceful appearance, easy rowing and high quality of workmanship and material, has no equal as a general all around pleasure boat, can be used with outboard motor.

Specifications

FRAME AND TRANSOM—Clear selected white oak.

PLANKING—Clear selected cedar, fastened to ribs with galvanized clout nails properly clinched.

FASTENINGS—Galvanized iron

FINISH—Outside painted three coats white lead with top strip painted bright red, five coats and deck finished, natural and inside painted two coats green.

FURNISHINGS—One pair spruce oars, 2 pair galvanized oar locks with each boat.

	14 ft. size	16 ft. size
BEAM	48 in.	54 in.
DEPTH FORWARD	23 "	24 "
DEPTH AMIDSHIP	14½ "	15½ "
DEPTH AFT	20 "	21 "
WEIGHT	140 lbs.	175 lbs.
K4612 14 ft.	1 in crate.	Each $30.00
K4613 16 "	1 "	" 32.00

"Indian Girl" Canoe—Open gunwale, type, strictly high grade in every detail, latest up-to-date design. 1 in crate.

Specifications

RIBS AND PLANKING—Clear selected cedar

GUNWALES AND GENDERS—Selected ... sizes

DECK AND SEAT RAILS—Clear birch

FASTENINGS—Copper and brass.

COVERING—Outside of canoe is covered with a heavy canvas put on in one piece filled with canvas filler so a perfectly smooth surface.

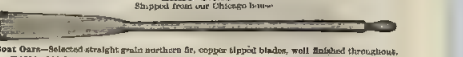
FINISH—Outside is finished with three coats of best canoe enamel in rich green, decks gunwales and inside of canoe are finished with three coats of marine spar varnish.

FURNISHINGS—One paddle included with each canoe.

LENGTH	16 ft.	
BEAM	32 in.	
DEPTH AMIDSHIP	12 in.	
WEIGHT	90 lbs.	
K4811—16 ft.	90 lbs.	Each $48.75
K4825—18 ft.	98 lbs.	" 57.50

BEAVER TAIL MODEL CANOE PADDLES

Shipped from our Chicago house



Canoe Paddles—Selected straight grain northern fir, strong, graceful designs, spar varnish finish throughout

K4615—4½ ft. Each, 85c. K4616—5 ft. . Each 85c

BOAT OARS

Shipped from our Chicago house

Boat Oars—Selected straight grain northern fir, copper tipped blades, well finished throughout.

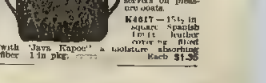
K4614—6½ ft. Pr $1.20 K4617—7 ft. ..... Pr. $1.30

GALVANIZED ROWLOCKS

Ready to Attach — High grade malleable iron oarlock complete with socket, ready to attach to boat 1 pr. in pkg

K4623—1½ in horns, 1 lb.	between	Pr 17c
K4624 — 2 in horns, 1½ lbs.	between	Pr 20c

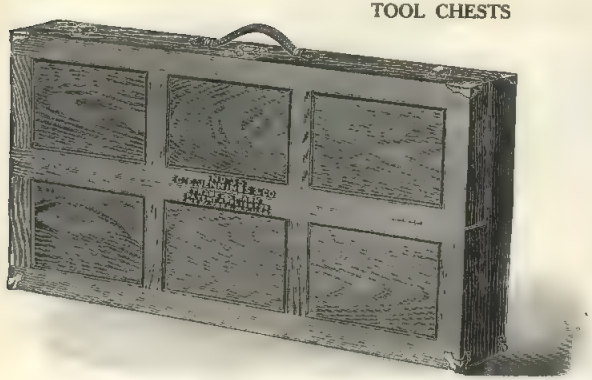
COMBINATION LIFE PRESERVER, PILLOW AND CUSHION



Guaranteed to fulfill requirements as prescribed by new law, allowing buoyant cushions to substitute preservers on pleasure boats.

K4617 — 15½ in. square, Spanish ticking leather cover, filled with "Java Kapok" a moisture absorbing fiber. 1 in pkg. ..... Each $1.35

TOOL CHESTS

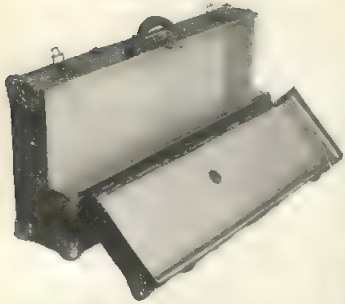


CARPENTERS

Selected hardwood, paneled, removable tray, brass lock, 34¼x17x6 inches outside. Leather handle, rings for shoulder straps, metal corners. Weight empty, 15 pounds.

No. **85.** Each $10 00

CARPENTERS



No. **1.** Steel covered, steel corners, size 28x33x6 inches ..... Each $15 00

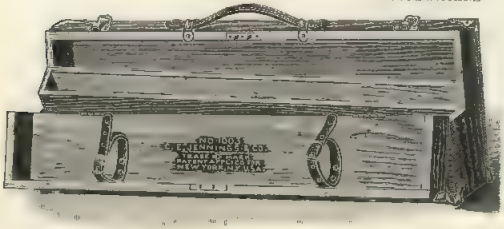
MACHINISTS

No. **210.** Quartered oak, Yale lock, three drawers and top receptacle, outside dimensions 23½ inches long, 14⅛ inches wide and 12 inches high, weight (cased), 56 pounds ..... Each $18 00

MACHINISTS OR JEWELERS

No. **210**

ELECTRICIANS



Made of hardwood, handsomely finished, brass lock, leather handle with rings for strap to pass over shoulder, metal clasps, metal corners and removable tray, will hold 24 inch Electricians Bit and 24 inch Bit Extension.

No. **1003.** Outside dimensions 25⅝ inches long, 9⅛ inches high and 5¼ inches wide, weight (not crated), 7¼ pounds Each $6 00

Packed Six in a Crate.

DECOYS

WOOD

No. 22

Solid white cedar decoy, hand decorated, large glass eyes; assorted, eight male and four female in a case.

No.			Wt. per doz.	Per doz.
22	"Special"	Blue Bill	36 lbs.	$10.00
		Canvasback	37 lbs.	10.00
		Mallard	45 lbs.	10.00
		Sprig Tail	35 lbs.	10.00
		Teal	22½ lbs.	10.00
		Widgeon	31½ lbs.	10.00

No. 23

Fine quality light cedar decoy, painted in natural colors from life; shape of head, bill, neck and body modeled from living birds; large enameled eyes; assorted, eight male and four female in a case

No			Wt. per doz.	Per doz.
23	"Challenge"	Canvasback	37 lbs.	$12.00
		Mallard	45 lbs.	12.00
		Sprig Tail	35 lbs.	12.00

No. 24

As No. 23, with hollow wood body, made in two pieces with joint above water line to prevent leakage; assorted, eight male and four female in a case

No.			Wt. per doz.	Per doz
24	"Challenge Hollow"	Canvasback	32 lbs	$15.00
		Mallard	40 lbs	15.00
		Sprig Tail	40 lbs	15.00

All above one dozen in light wire bound case. Not sold in less quantity.

PAPER GEESE DECOYS

No. 27—FOLDING PROFILE DECOY No. 28—PROFILE FOLDED WITH LEG REMOVED

Made of heaviest cardboard, waxed and colored same as ducks. Head riveted to body so that it can be folded into body. Sets up by aid of pin.

No.		Wt. per doz.	Per doz.
27	Folding	12 lbs	$12.00
28	Profile	9 lbs	9.00

One dozen in a package.

CANVAS

No. 25

Canvas body decoy, collapsible, easily inflated, strap attached to breast to attach sinker; each decoy hand painted in natural color with the best color ground in oil. Packed eight male and four female with twelve lead sinkers in a case.

No.			Wt. per doz.	Per doz.
25	"Canvas"	Canvasback	8½ lbs.	$12.00
		Mallard	8½ lbs.	12.00
		Sprig Tail	8½ lbs.	12.00
		Teal	8½ lbs.	12.00
		Widgeon	8½ lbs.	12.00

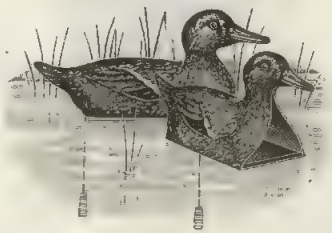
One dozen in a case. Not sold in less quantity.

DECOY DRESSING

	Wt. per cake	Per cake
Decoy Dressing, for Canvas Decoys	9 ozs.	$1.20

One cake in wooden box.

JOHNSON'S FOLDING PAPER DUCKS



No. 26

True colors on heavy tough fiber cardboard stock. Thoroughly waterproof. ¼ in. board float, rounded at corners and waterproofed, also dyed water color. Balancing device fastened to back of the board float makes tipping impossible, and assures landing in an upright position when thrown upon the water. Light and compact; dozen or more may be carried in a hunting coat. Packed in cartons containing a dozen floats and a strong manila envelope containing a dozen paper bodies, half hens and drakes.

No.		Wt. per doz.	Per doz. complete
26	Mallards	7 lbs	$4.20
	Bluebills	7 lbs	4.20
	Redheads	7 lbs	4.20
	Canvasbacks	7 lbs.	4.20

TOY & JUVENILE FURNITURE

You can sell these popular juvenile chairs and rockers the year 'round. Every number is an unmatchable value at our price. Stock up on these profit-makers. Get your share of these sales. Push juvenile furniture now.

RED CHAIRS AND ROCKERS

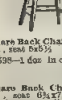
Bright red enameled, extra well made and finished. Largest sizes and best values at the prices.

Square Backs

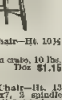
Square Back Chair—Ht. 19½ in., seat 9x9½. F5368—1 doz. in crate, 10 lbs. Doz. **$1.15**

Square Back Rocker—Ht. 32½, to seat 12x12, 28½ in. Heavy top rail, turned arms, extra well made from selected stock. Doz. F6013—½ doz. crate . . **$4.50**

Bow Backs



F6020



F6012

Bow Back—Ht. 14½ in., seat 7x8½. F6020 — Chair, ¼ doz. in crate, 8 lbs. . . Doz. **$2.00** F6010 — Rocker, ½ doz. in crate 9 lbs. . . Doz. **$2.20**

Bow Back—Ht. 19 in., seat 8x9, 2 spindle back. F6012 — Chair, ½ doz. in crate 13 lbs. . . Doz. **$2.20** F6032 — Rocker, ½ doz. in crate 16 lbs. Doz. **$2.25**

Square Back—Ht. 32 in., seat 11x11, 3 spindle back, extra well made. F6017—Chair, ½ doz. in crate, 21 lbs. . Doz. **$3.90** F6018—Rocker, ½ doz. in crate, 25 lbs . Doz. **$4.15**

Bow Back—Ht. 24 in., seat 12½x12½, 3 spindle back. F6014—Chair, ¼ doz. in crate, 20 lbs. Doz. **$4.35**

Square Back—Ht. 24 in., seat 12x12½, selected wood, arms extra strong. F6026 — Chair, ¼ doz. in crate 16 lbs. Doz. **$4.20** F6026 — Rocker, ½ doz. in crate 18 lbs. . Doz. **$4.25**

Bow Back Kindergarten Chair—Ht. 27 in., seat 12x12 in. Ht. of seat from floor 14 in. Well built an adult. F6032—½ doz. in crate, 24 lbs. . . Doz. **$5.20**

HIGH GRADE KINDERGARTEN CHAIRS

Golden oak finish, extra strongly made. In active demand for schools, churches, etc.

F731—Ht. back 24 in., ht. seat from floor 11½ in., seat 11x11, bent 3 spindle back, strongly made base with 3 stretchers, attractively stamped and varnished. Each, 18 in. Doz. **$3.00**

F732—Ht. 29 in., ht. seat from floor 16½ in., seat 12½x12½, bent 4 spindle back, extra heavy shaped seat, strongly made base with 7 stretchers, attractively stamped and varnished. Each, ½ doz. in bdl. . Doz. **$9.25**

MISSES' ROCKER

F836—Ht. 26 in., seat 12x13, elm, oak finish, flat arms, wood seat, turned spindles, shaped back. 2 in bdl., 15 lbs. . . . . Each, **82c** (Total $1.64)

CHILDREN'S NURSERY CHAIR

F760—Ht. 23½ in., seat 11x11, with cover, fancy turned dowels and spindles, 3 slat curved back, shellacked finish, patent fastening tray. 2 in bdl. 55 lbs. . Each, **$1.25** (Total $2.50)

FUMED JUVENILE FURNITURE

Upholstered Seats

Exceptionally fine finished and built for comfort. All edges smoothed and rubbed. All with Spanish leather style cushion seats.

Chair—Ht. 24½ in., seat 12½x11½, combination panel and spindle back, strongly made base with 6 stretchers. F851—¼ doz. in bdl. Doz. **$9.00**

Rocker—Ht. 29½ in., seat 12x11½. F823—2 in bdl. . . Each, **87c** (Total $1.74)

Arm Chair—Ht. 25 in., seat 11x11½, shaped flat arms. F850—2 in bdl. Each, **$1.10** (Total $2.20)

Arm Rocker—Ht. 23½ in., seat 12½x12 flat shaped arms. F823—2 in bdl. Each, **$1.25** (Total $2.50)

CHILDREN'S FOLDING SWINGS

A safe baby tender. Can be hung in any doorway. Baby is securely fastened in swing.

F308—13 x 15½ fumed oak frame, slatted seat and back, wood side spring and front rail. 5 ft. white rope. Nickeled clevis folds flat when not in use. Doz. **$4.50**

F806—Adjustable swing 4½ ft. high by 3 ft. square, dark oak finish, will support any child between 4 and 10 yrs. can be folded flat and stood in any corner of room. 1 in pkg. 9 lbs. Each **$1.60**

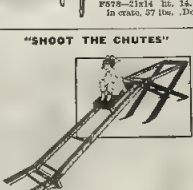
TOY TABLES

Painted red, varnished tops, turned legs.

F877—18x11, ht. 20½. 1 doz. in crate, 50 lbs. Doz. **$2.25**

F878—21x14 ins., ht. 24 ins. ½ doz. in crate, 37 lbs. Doz. **$4.40**

"SHOOT THE CHUTES"



F884—Length 14 ft., width 11 in., ht. frame 15 in. Parts joined with strong iron hinges, so as to fold in small space. Can be in nicely ornamented, all parts painted in red. chairs 1 in crate. . . . . Each, **$1.95**

THIS book puts it in the power of the retail merchant, while seated at his own desk, to be in constant touch with all the markets of the world, to buy goods when he wants them and in quantities as needed. Do you take advantage of its possibilities?

"OLD HICKORY" PORCH AND LAWN SETS

Almost unbreakable—attractive in appearance—comfortable in use and moderately priced.

Old Hickory Furniture—Made from sturdy young hickory saplings, unaffected by weather. Plain substantial hickory posts and stretchers, stout inner hickory bark seats, double woven.

ARM CHAIR—Ht. 24 in., width 13½ in., depth 12 in., 5 spindle back. F540—1 in pkg. . . . Each **$1.10**

ROCKER—Ht. 24 in., width 13½ in., depth 13 in., 5 spindle back. F541—1 in pkg. . . . Each, **$1.40**

TABLE—Ht. 19 in., oak top 16x16 in. F548—1 in pkg. . . . . Each, **$1.40**

SETTEE—Ht. 24 in., seat 28x13½ in. F542—1 in pkg. . . . Each, **$1.50**

PORCH SWING—Fine shaped hickory posts, full strength chair like woven seat, 52 in. chains. 1 in box. F548—Length 26 in. . . . Each **$1.75**

"Andrew Jackson" Pattern—A very comfortable and fast selling pattern.

ARM CHAIR—Ht. 24 in., seat 18 in. wide, 13 in. deep. F544—1 in pkg. . . . . Each, **$1.40**

ROCKER—Ht. 24 in., seat 13 in. wide, 13 in. deep. F545—1 in pkg. . . . . Each, **$1.75**

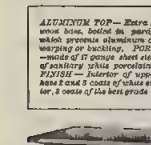
SETTEE—Ht. 24 in., seat 28x13½ in. F546—1 in pkg. . . . . Each **$2.25**

TABLE—Ht. 19 in., 18 in. oak top. F547—1 in pkg. . . . . Each, **$1.75**

KITCHEN CABINETS EQUIPMENT AS STATED

A strictly up-to-date line of high grade cabinets at prices that set the pattern. Made by a manufacturer with a national reputation for leadership in its line. Under his own name-plate these cabinets would cost you from 5 to 10 per cent more than we ask. Buy them here and this saving is yours. No other line excels these cabinets in special features. **Note:** Prices do not include equipment, only as stated. Jan. dec. ruptions.

ALUMINUM TOP—Extra heavy sliding work base, bolted to porcelain solution, which prevents aluminum covering from warping or buckling. *PORCELAIN TOP*—made of 17 gauge sheet steel with 3 coats of sanitary white porcelain baked on. *FINISH*—Interior of upper cupboards have 3 coats 3 coats of white enamel. Exterior, 3 coats of the best grade spar-varnish.



Combination—Table and cabinet, in golden oak finish, white wood top 22x42½, 17½ in. backboard, pastry drawer, 1 large base cupboard with 50 lb. cap. Drawer 30 lbs. Porcelain Metal top. Each $4.50

P8044—Genuine aluminum metal non-warpable top..... Each, $4.25

"Leader"—Solid oak golden finish, ht. 72 in., upper cabinet with 2 shelves, 2 doors with frosted glass. Base, white wood top 27x40 in., fitted with 1 drawer and partitioned cutlery drawer, 1 drawer, 2 sliding bins 1 for flour and 1 for meal and vegetable.

P8031—In 2 crates, 160 lbs. Each, $8.75

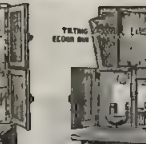
"Kitchen Queen"—Selected white oak, 3 coats of golden satin finish, interior of upper cabinet 3 coats white enamel, exterior finish, all doors wood panel, ht. 72 in., equipped with glass salad jar, spice jars and spice set in filling floor bin 50 lb. capacity, 1 shelf. Base 35x20, 16x18 breadboard, 2 flour and utensil drawers, bread drawer with metal box. Utensil cupboard, with shelf pan rack. 2 crates, 200 lbs.

P8032 Aluminum non warpable sliding top Each $15.00

"Kitchen Comfort"—Selected white oak, 3 coats golden satin finish, interior 3 coats white enamel, egg shell finish, ht. 72 in., filling flour bin 50 lbs. sugar glass sugar jar, paid. bracket, 6 pc. glass tea and coffee set, 1 shelf, 2 small wood panel doors, 1 full fourth wood panel door drop curtain, breadboard 17x21, 2 drawers, 1 partitioned large drawer with metal bread box, large utility cupboard, metal shelf, pan rack, wood sliding shelf, pan rack. In 2 crates 200 lbs.

P8034 Aluminum non warpable sliding top Each $16.00

P8034 Zinc white enamel porcelain sliding top Each $16.75



"Snow White"—Selected white maple, ht. 72 in., rounded corners and edges, upper cabinet fitted with wood shelf, 7 pc. glass spice set in coffee set, glass sugar jar on metal shelf, 2 small wood panel doors, base cupboard fitted with 50 lb. flour bin with drop front, 2 drawers, 1 with fine drop front and 1 large wood panel door, all with genuine aluminum non warpable sliding top, 1 flour bin, 1 meal and vegetable drawers, metal lined bread or cake box with sliding top, large utensil cupboard with sliding shelf, pan rack.

P8035—"Snow White" enamel interior and exterior, 200 lbs. Each $22.25

P8036—12 ga. genuine porcelain sanitary metal sliding top..... Each $24.25

"Waldorf"—Selected white oak 3 coats golden satin finish interior 3 coats white enamel porcelain finish, ht. 72 in., upper cabinet fitted with wood shelf, 7 pc. glass spice set in coffee set, glass sugar jar on metal shelf, 2 small wood panel doors, base cupboard fitted with 50 lbs. flour bin with drop front, 2 drawers, 1 with fine drop front and 1 large wood panel door, all with genuine aluminum non warpable sliding top, 1 flour bin, 1 meal and vegetable drawers, metal lined bread or cake box with sliding top, large utensil cupboard with wood sliding shelf, pan rack, 2 doors on door. In 2 crates, 250 lbs.

P8037—Aluminum non-warpable sliding top..... $23.00

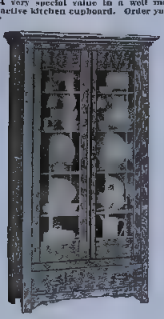
P8038—17 ga. genuine porcelain sanitary metal sliding top Each $26.75

"Dutch Beauty"—Selected white oak, 3 coats golden satin finish interior 3 coats white enamel P.S. finish, upper section with shelf doors, 1 hook, 1 cupboard for spice set, 1 flour bin, 1 meal bin, 1 sugar jar on flour bin, 1 meal bin, 1 sugar jar on flour bin, 1 meal bin, 1 sugar jar on

BLUE RIBBON SALE

KITCHEN CUPBOARD

A very special value in a well made attractive kitchen cupboard. Order yours now



P8018—Solid oak front, hardwood sides, golden, 78x30x15 drawer in base and 4 shelves, full glass doors. Crated 115 lbs. Each **$6.35**

SOLID OAK DINING TABLES

Will match with almost any oak dining room furniture

Solid oak, heavy 8 in hardwood pedestal beveled rim, polished top, highly finished colonial base, very substantial. 6 ft. extension. Crated.

42 IN. TOP—150 lbs.
P6327—Golden finish
P6329 Fumed Each **$7.95**

45 IN. TOP—160 lbs.
P6328—Golden finish
P6330—Fumed Each **$8.65**

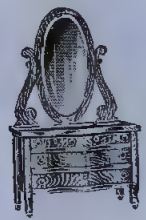
LIBRARY TABLES

Two big sellers. Take advantage of our special price.

Raised post effect, top 28x40 in., selected select oak, raised post effect, heavy 3 in. legs. Crated, 45 lbs.
P2363—Golden finish **$7.20**
P2364—Fumed "

PRINCESS DRESSERS

A value that is hard to find elsewhere



Serpent effect front, double shaped top, 42x23, French bevel, plate mirror, drawer finished inside, shaped legs. Crated 150 lbs.
P4463—Quartered golden oak, polished. Each **$19.25**
P4464—Best mahogany veneer, dull finish. Each, **$19.25**
P4465—Best birdseye maple veneer. Each, **$21.25**

3 CUPBOARD COLONIAL BUFFET

A buffet that will give a lifetime of service. Big value at our price

3 cupboard colonial, solid oak quartered oak front top and canopy, base 52x16 in. French bevel plate mirror, 10x8 in., large lined drawer, drawer lined for silver, wood knobs, cabinet. Crated, 180 lbs.
P4890—Golden Each **$14.90**
P4960—Fumed "

TWO BIG VALUES IN KITCHEN CABINETS

Made of selected Indiana white oak, tongued, grooved and mortised construction. You can give your customers extra value in any one of these cabinets and still make a generous profit for yourself.

"New Pattern." Indiana oak flush face, sliding cupboard door, in sliding top, interior white enameled finish like 3 bread board, two bolt knife or fork drawers, 1 apron bench or cake drawer with composition metal bar, large utility cupboard with removable shelf, partitioned with metal partrack. Top cupboard fitted with removable flour bin, glass front, 60-lb cap., large china closet with metal shelf. Lower one partition fitted with sliding tin glass or pie bin and 7 pieces cane spice set, top doors filled with beaded art glass. Lower compartment fitted with flush face sliding doors. Crated 4 ft., 375 lbs.
P8949—Nickeled non warpable, 4 ft. top
P8951—Heavy solid imperial walnut plank top **$18.75**

AMERICAN IMIT. QUARTERED OAK DRESSER AND CHIFFONIER

Perfect workmanship and material throughout and exceptionally good values

P1825 — Dresser. Imit. quartered oak. Golden finish massive colonial design, over 3x44 in., 2 full length drawers and 3 small drawers, 28x38 in. French bevel plate mirror, wood knobs. Massive Pattern. Crated 190 lbs.
Each **$11.85**

P1826—Chiffonier, imit. quartered oak, golden finish massive colonial case 18x37 in., 4 large and 3 small drawers, 12x20 in. French bevel plate mirror, wood knobs, matches P1825 dresser. Crated 120 lbs.
Each **$9.90**

WOOD SIDE "PULLMAN" SLEEPER

A popular big selling model, strong, well built, full size, long body, roomy and comfortable, highly polished wood sides.

P5007—Heavy panel wood sides and body, dark Brewster green fancy striping, sliding foot well, adjustable reclining back body and hood upholstered in back in leather, 4 hour hood adjustable to any angle, full size tubular gear, double braced pushers, nickeled corners, turned enamel handle, full double coil springs, gear enameled black, 12 in. wheels, 1 in. rubber tires, nickeled hub caps, foot brake. Crated, 70 lbs. Each **$16.75**

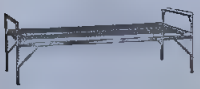
"SECURITY" REED GO-CARTS

Rare bargains in real go-carts. Get yours before they are all sold out. Note the complete equipment with each

Tubular gear and pushers, double coil springs, 14 in. wheels, 2½ in. cushion rubber tires, body of fine half round imported reed with hood of same material, full roll arm, adjustable sliding rear reclining back and sliding foot rest, cushion and seat pads, upholstered in narrow welt, cords not in welt, reversible gear, foot brake, black enameled gear. Crated, 75 lbs.
P4982—Golden brown **$17.00**
P4984—Natural "

IRON FRAME FOLDING COTS

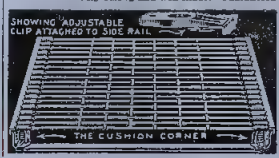
Take advantage of these special prices



Iron frame, angle iron frame, black enameled well braced head and foot, link fabric folds flat.
P3475—2½ ft. wide, 33 lbs. Each, **$2.30**
P3476—3 " 35 " Each, **$2.35**

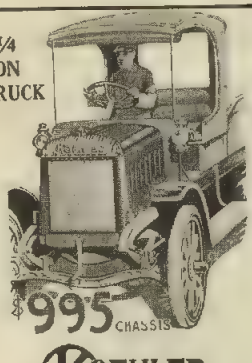
NEW CUSHION CORNER SLAT FABRIC SPRINGS

Very strong and well made. Guaranteed for 20 years



Cushion corner extra heavy 1¾ in. steel pipe frame, massive cast corners, patented adjustable clip cushion corners, new slat fabric top, braided ends 8 in. rods from frame to frame, double resiliency, adjustable clip to fit bed rail, golden bronze finish, about 65 lbs.
P1068—3½ ft. wide.
P 913—3½ " Each, **$5.95**

1¼ TON TRUCK



$995 CHASSIS

KOEHLER

OVERHEAD VALVES

INTERNAL-GEAR DRIVE

THREE WISE MEN OF THE WEST

They all three landed on us the same week—H. A. Seager, head of the Mc or Truck Sales Co., Los McAllister St., San Francisco; [illegible] from 1258 S. Figueroa St., Los Angeles; and W. F. Herrick of Wasco, Texas.

They came across with orders for thousands of to-be-specified but with a common purpose. Seager who is one of the big truck dealers of the West, capitalized the situation clearly. "We'll do a half million in trucks on the Coast in the next few years," he said. Mr. Flanders will get most of the business by specializing the truck to better fit specific road conditions. The Inland Empire farmers will need a truck to haul tremendous loads when prices are right and Herrick will have to give his customers the best truck that's built and it's got to be at the right price.

Nordell of Los Angeles [illegible] told the same story. Herrick of Wasco has all the earmarks of pleasure-car salesmen and large powers [illegible] ideas.

They wanted the K-[illegible] cream but took an accidental shocked secret. [illegible] story was to tell on what this engine. They said I bought a K-[illegible] a load and a quarter of scrap and used it over Newark, Indiana.

They tested it [illegible] over-head valve motor unmercifully.

Let Penicell complete the story. He said: "At last I've found a truck that is built for ordinary roads and humble trucking. It isn't a locomotive and it isn't a cross between a racing car and a [illegible]. It is a pleasure car that has all the good points [illegible] single pleasure car unit in it. That over-head valve motor is the greatest sticker for punishment that ever yanked a truck out of a mud hole [illegible] all for work. It would run fast [illegible] ton load. Yet, the chassis [illegible] these [illegible] will sell on [illegible] dollars worth of Koehler trucks. They had the goods on the ground. We [illegible] a truck [illegible] a over-head valve motor, a one side [illegible] over-head valve motor truck of equal merit [illegible] because they were assisted that it was the best thing of its ruggedly [illegible] has proved [illegible] has been made to meet its requirements. They know I speak them and make money [illegible] would [illegible] why the rush and the [illegible] buyers. That is the way we are. Most of our Koehler agents [illegible] are selling the car and clean up. This stock [illegible] money. Write for open territory.

BRIEF SPECIFICATIONS

MOTOR 4 cyl. 35 H.P. 4 cyl. OVERHEAD VALVES long stroke, large three bearing crank shaft. RADIATOR unbreak pull-in type. TRANSMISSION 3 speed selective, annular ball-bearing. CLUTCH Multiple Disc. Drive shaft and double universals. INTERNAL GEAR DRIVE REAR AXLE. Wheelbase 120 inches.

H. J. KOEHLER MOTORS CORPORATION
Established 1895
Newark, New Jersey, U. S. A.

ROSS GEARS

120 Truck Manufacturers use *Ross Steering Gears.*

120 Able and experienced Truck Engineers endorse them.

WHY?

Because their design is perfect.

Because their workmanship is of the finest.

Because they contain the finest material available.

Because they stand the punishment.

Because they do not break.

Because they are durable.

Because they steer easily and safely.

Because they are essentially ***truck steering gears.***

Because they are well and favorably known in the Truck Industry and are a help to Truck Sales.

IN FACT

Because they do their work successfully.

Write us for descriptive catalog and give us an opportunity to quote you.

ROSS GEAR & TOOL CO.
740 Heath Street
Lafayette Ind., U. S. A.

"CHAINS FOR TRUCK DRIVES"

Is the conclusion reached by a number of truck manufacturers after watching closely the results obtained from other methods of power transmission.

Chain drives are compact, powerful, economical and efficient — the logical equipment for motor trucks

Specify a "chain driven" truck — when repairs are needed they can be easily made, and our distributors are prepared to serve you promptly when you need repair parts or new chains

Diamond Chain & Manufacturing Co.

Indianapolis Indiana

DISTRIBUTORS

Motor Car Equipment Co	New York City
Philadelphia Gear Works	Philadelphia, Pa.
R W Norris & Sons	Baltimore, Md.
Jackson Motor Supply Co	Pittsburgh, Pa
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Waste Auto Supply Co.	Providence, R. I.
Sidney B. Roby Co.	Rochester, N. Y.
Albany Belt & Iron Co	Albany, N. Y.
Barber & Ross	Washington, D. C.
Motor Car Equipment Co	Boston, Mass.
Fred T Campbell	St. Louis Mo.
Pennsylvania Rubber & Supply Co	Cleveland, O
Nicols Dean & Gregg	St. Paul, Minn
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Ferris Dunlap Auto Supply Co	Dallas, Texas
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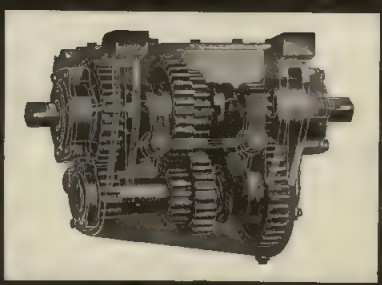
Louisville Auto Supply Co	Louisville Ky
Roof Nen. & Co	Buffalo, N. Y.

COTTA TRANSMISSIONS



All Gears Always in Mesh

An Assurance of Dependable Service

The Cotta Transmission Co. Rockford, Ill.

Kohlmann Player Pianos

The Most Wonderful Invention of the Twentieth Century

After a most careful study and experimentation of the many players on the market, we offer the Kohlmann Player Piano as one that is worthy and fitted to bring out the musical excellence. It is a perfected piece of mechanism that is beyond criticism of the most gifted player. We present a standard player of the most approved type at the price of an ordinary piano.

The Kohlmann Player attachment consists of three principal units—the Motor Action located back of the upper panel of which the Music Rolls are a part, The Vacuum System—a one-piece unit placed behind the lower panel beneath the Key Board and the Pneumatic System placed behind the Fall Board above the Key Board.

These three principals work in conjuction with the piano-action by many ingenious parts that have been worked out and improved to a point approaching perfection. All of these parts and fixtures are cut of sight [illegible] leaving only the outward appearance of them as the music roll, and while the player mechanism and the piano are embodied in one case they operate absolutely independent of each other. The music-roll and pedals practically vanish when the player-attachment is not in use. The music-roll disappears from sight behind ornamental panels and the pedals are invisible when folded in when the player is not in use. The three buttons one being sustaining or "loud" pedal, the other two—"soft" treble and bass—together with the tempo lever and rewind levers are also invisible when not in use. They enable the user, with but very little practice to render the most satisfying and "accented" music with delicacy of expression and nice musical effect.

THE MOTOR is one of the strongest features of the Kohlmann make of player-pianos. It is Five Point and free tonicss and is the very heart of the organism and its rythmic action operates, regulates and controls the working of the entire action.

There are no complications about this motor; it occupies but little space and its lightness and efficiency are amazing; its simplicity makes it trouble-proof and it will not get out of adjustment with constant and hard usage.

THE GOVERNOR is an essential and necessary adjunct of the motor in that it automatically imparts to the engine a steady pneumatic pressure whenever the pedals are worked fast or slow. Governor is provided with a special form of valve and this with two adjusting set-screws constitute the only parts employed.

The Kohlmann player is equipped with all flexible metal Air tubes—self adjusting tracking device. This tubing is practically indestructible.

THE PEDALS in the Kohlmann player fold up into the case at the bottom above the regular piano pedals and when thus folded give the appearance of an ordinary piano. These pedals are a great improvement over most others in the matter of ease of operation and the immense leverage exerted. Their use will not tire even a small child. They have eliminated the item of fatigue from player pianos.

OTHER FEATURES of the player action are the general high grade quality of materials used, the fine alignment and balance of the works and the assured durability of the whole.

Player Bench and Six Player Rolls included.

KOHLMANN COLONIAL GRAND

Fully guaranteed 88 note player piano

CASE is very chaste and dignified in appearance and altogether a stately instrument of delightful individuality, possessing an air of refinement that makes a fit setting for either elegant or comely surroundings. An ornate cornice moulding runs across the entire top of the panel being over-hung by the piano-top. Trusses and pilasters are square and tapering. Handsomely finished and double veneered in high grade veneers of either Oak, Walnut or Mahogany; inside veneered with White Maple; has Empire top with "Grand" hinges.

ACK is uncommonly strong in construction, having six finished posts of rock maple. Pin block made of several layers of quarter inch quarter sawed Adirondack maple direction of grain of each layer alternating successively with the next, while the ribs and sounding board are of the highest quality of Mountain Spruce the latter being crowned to preserve a lasting quality of tone.

INTERIOR has compound key-board, double Bulldog, [illegible] brass flange action; 14-pound hammers, [illegible] hand colonized bell metal plate; imported German [illegible] copper-wound bass; continuous [illegible] full length bass pedals, 7 1/3 octaves.

PLAYER ATTACHMENT. All standard music may be used. Made regularly in 88 note.

Height 4 feet 9 inches; width 5 feet 3½ inches, depth 2 feet 8½ inches. Shipping weight about 900 pounds.

No. 17092	Mahogany	$918.30
No. 17093	Walnut	918.30
No. 17094	Golden Oak	918.30
No. 17095	Dark English Oak	918.30

KOHLMANN CABINET GRAND

CASE is of attractive proportions and delightfully symmetrical. The round hand carved trusses with pilasters to correspond bestow a noticeable air of grace to the architecture. Trusses have molded bases and carved caps. Upper panel is relieved by smaller center panel in center of which is sliding door covering music [illegible] Finished in White Maple. Has [illegible] and grand hinges.

ACK is our regular sturdy and durable construction. Six heavy posts give a wall of strength to the instrument. The ribs and sounding board of choicest Northern Spruce. Sounding board specially crowned to sustain string pressure and maintain lasting tone. Pin block of several layers of quarter inch quarter sawed Adirondack Rock Maple, direction of grain of each layer, alternating successively with the next.

INTERIOR specifications embrace brass flange action of exceptional quality and great responsiveness; copper-wound bass strings; music wire and tuning pins of finest imported quality, imported 14-pound hammers three pedals; absolutely noiseless metal trap work; fine ivory keys. Scale is exceptionally well balanced and acoustic quality is grand. Has a beautiful and sonorous tone of exceptional sweetness.

PLAYER ATTACHMENT, 88 note. All Standard music may be used.

Height, 4 feet 9 inches, width 5 feet 3 inches, depth, 2 feet 3½ inches. Shipping weight about 950 lbs.

No. 17096	Mahogany	$1106.00
No. 17097	Walnut	1106.00
No. 17098	Golden Oak	1106.00
No. 17099	Dark English Oak	1106.00

SPECIAL OFFER With each Kohlmann Player Piano we will include high grade Player Bench to match piano, and SIX Standard Perforated Music Rolls FREE.

MUSIC ROLL CATALOGUE FURNISHED UPON REQUEST

Fine Piano Benches

Made of Selected Materials. Piano Finish. Prices Each. F. O. B. Our Indiana Factory

1863 1917

PIANO BENCH

Made of solid quarter-sawed oak, Golden oak finish. Invisible sliding casters. Top 35x15 inches. Height 20 inches. Weight crated about 50 pounds.
No. **E2** Price ..... each **$18.97**
Same as above, imitation mahogany.
No. **E2M** Price ..... each **18.97**

PIANO BENCH

Made of solid quarter sawed oak. Carved top, golden oak finish. Invisible sliding casters. Top 35x14½ inches. Height 20 inches. Music compartment under seat. Weight, crated, about 50 pounds.
No. **E2** Price ..... each **$20.00**
Same as above, mahogany finish.
No. **EM2** Price ..... each **20.00**

PIANO BENCH

Made of selected solid quarter-sawed oak. Golden oak finish. Top, 35x14½ inches, height, 20 inches; music compartment under seat, invisible sliding casters, also made in imitation mahogany; weight, crated, about 50 pounds.
No. **N2** Quartered oak ..... each **$23.00**
No. **N2M** Imitation mahogany ..... each **23.00**

Made of selected stock, fine mahogany finish. Top, 35x14½ inches, height, 20 inches. Music compartment under seat. Invisible sliding casters. Weight, crated, about 50 pounds.
No. **22A** Price ..... each **$23.92**

Made of selected stock, fine mahogany finish. Top, 25x15 inches; height, 20 inches. Music compartment under seat. Invisible sliding casters, shipping weight, crated, about 35 pounds.
No. **82A** Price ..... each **$25.00**

PIANO BENCH

Made of finely selected and matched mahogany. Veneer top, 35x15 inches, music compartment under seat; height, 20 inches; invisible sliding casters, also made in Circassian walnut veneer and solid quarter-sawed oak; weight, crated, about 50 pounds.
No. **G2** Mahogany veneer on quartered oak ..... each **$29.92**
No. **G2** Circassian walnut veneer ..... each **33.92**

PIANO BENCH

Made of selected solid mahogany. Polished or dull finish. Top 25x15 inches. Height, 20 inches. Music compartment under seat; invisible sliding casters, weight, crated, about 50 pounds.
No. **122A** Price ..... each **$26.92**

PIANO BENCH

Made of selected solid mahogany. Polished or dull finish. Top 35x15 inches; height, 20 inches; music compartment under seat; invisible sliding casters; weight, crated, about 50 pounds.
No. **142A** Price ..... each **$27.92**

COMBINATION WRENCH SETS

LANE'S UNIQUE RATCHET

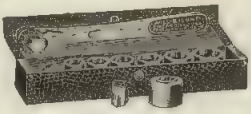
Machine made throughout. Sockets are turned from steel bars and case hardened. Warranted not to break or spread. The ratchet, pawl and screw driver bits are milled and properly hardened. The ratchet is reversed by shifting the wire from one side of the lug to the other. Unequaled for close work. **Fully warranted.**

LANE'S FORD

Contents

One handle, 7 in. long.
Two screw driver bits
One extension bar, 7 in. long.
Six sockets, fitting all nuts and bolt heads on Ford cars, including cylinder head.

	Wt per set	Per set
Lane's Ford Set	2 lbs.	**$4.00**



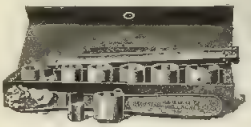
LANE'S STANDARD

Contents

One handle, 7 in. long.
Two screw driver bits.
Seven sockets, fitting hexagon nuts as follows:
U. S. Standard nuts, ¼, 5/16, 3/8, 7/16 and ½ in.
S. A. E. Standard nuts, 7/16, 9/16, 5/8, ½ and 3/4 in
Cap screw heads, 7/16, 9/16, ½ and 5/8 in.

	Wt per set	Per set
Lane's Standard Set	1½ lbs.	**$4.00**

K. & S. RATCHET



K. & S.

Contents:

One forged steel handle, 7 in. long.
Two screw driver bits.
One extension bar, 7 in. long
Seven case hardened steel sockets for hexagon nuts 7/16 in. to 5/8 in. inclusive.

No.	Wt. per set	Per set
K. & S.	1¾ lbs.	**$4.00**

One set in a leatherette case.

HEXALL SOCKET

No. 5

Contents:

One 10x½ in. hexagon steel handle.
Seven hexagon steel sockets which pack neatly on handle when not in use. Friction ball prevents sockets from falling off handle.

Capacity of sockets:

U. S. S plain nuts, ¼, 5/16, 3/8, 7/16 and ½ in.
U. S. S. castle nuts, ¼, 5/16, 3/8, 7/16 and 9/16 in.
S. A. E. plain nuts, 7/16, 9/16, 5/8 and 3/4 in
S. A. E castle nuts, 7/16, 9/16, 5/8, 3/4 and 7/8 in
Cap screws, 7/16, 9/16, 5/8 and 3/4 in

No.	Wt. per set	Per set
5	1¼ lbs.	**$2.50**

One set in a package.

SHOE POLISH

BLACK SHINOLA

For both Common and Patent Leather Shoes.

No. 2. 2 oz. Tin Box, size ⅞x2½ inches, waterproof, produces patent leather finish; is unsurpassed as a dressing for ladies' and children's shoes, as well as men's ..... Per Doz. $1 80

Six Dozen in Case

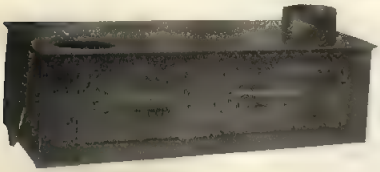
With orders of one fourth gross, we include 4 Shinola Polishers and Daubers free.

TWO IN ONE

The kind and quality of materials employed in making these polishes keep the leather soft, prevent cracking and increase the life of the shoe

No. 3 Size, Black..... Per Doz. $1 80
No. 3 Size, Tan..... Per Doz. 1 80
No. 3 Size, White..... Per Doz. 1 80

CAMP STOVES



Nos.	0	1	1-A	2	2-A
Top Cooking Surface, In.	11x20	14x23	14x23	15x30	15x30
Wide, In.	9	10	10	11	11
Oven, High, In.	4½	5	5	5	5
Deep, In.	10	13	13	14	14
Pipe, In.	5	5	5	5	5
Wt., Lbs.	7	9	14	15	23
List	$2 00	$2 50	$3 50	$4 00	$5 00

SIBLEY STOVE.

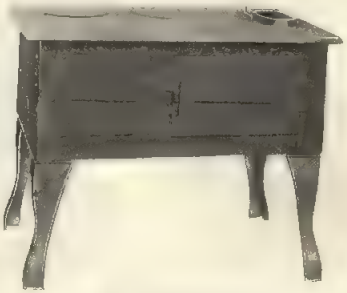
Just the thing for camping parties and contractors. Can be used in tents or in the open air.

No. 30. Diameter base, 30 in.; height, 31 in.; 22 ga. iron; weight, 20 lbs. Each $4 50

6 Inch Pipe Collar Packed 6 in Crate

Any Size or Weight Made to Order.

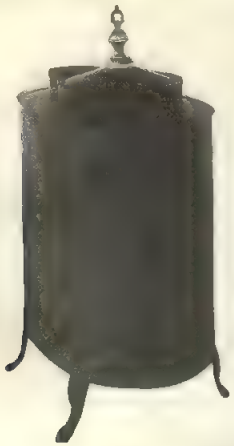
LANG'S CAST TOP CAMP STOVE.



With and Without Legs

This stove is designed to meet the demand for a low priced cook stove suitable for camp use, which will have a durable cast top in place of the sheet metal top usual to camp stoves. The body of this stove is of 26 ga. steel with heavy steel lining to fire box and back, front and end of stove. The cast top has four holes with covers and cross center, and 5 inch collar and is provided with cast iron damper. We also furnish this without legs, as it is often inconvenient to use a stove on legs in camp.

Nos.	With Legs 25	No Legs 20½
Top Cooking Surface, In.	16x25	16x25
Wide, In.	9½	9½
Oven, High, In.	6	6
Deep, In.	14	14
Pipe, In.	5	5
Weight, Lbs.	42	36
List	$8 00	$7 20



AIR-TIGHT HEATING STOVES

All our Air Tight Stoves are made from uniform "Royal Blue," steel lined, cast legs, nickeled draft and urn.

All stoves up to and including 20 inch take 5 inch pipe; 22 inch and larger, take 6 inch pipe.

PLAIN AIR TIGHT STOVES.

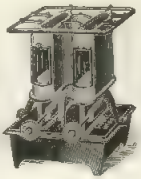
Made in 8 Sizes.

Diam., In.	Wt., Lbs.	List
16	9	$2 50
18	10	3 00
20	12	3 50
22	15	4 00
24	23	4 50
26	30	5 50
28	36	7 50
30	44	9 00

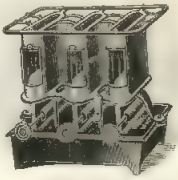
MODEL LAMP OIL STOVES

Best low priced lamp stove on the market. Reservoir cast in one piece, tin chimneys, japanned top grates and cones, nickel plated mica frames.

No **0.** One 4 inch brass burner; takes 4x8 wick. Wt. per doz., 47 lbs. Per Doz..... $10 00



No. **00.** Two 4 inch brass burners; takes 4x8 wicks. Wt. per doz., 66 lbs. Per Doz..... $20 00



No. **000.** Three 4 inch brass burners; takes 4x8 wicks. Wt. per doz., 93 lbs. Per Doz. $30 00

FLORENCE LAMP OIL STOVES

The strongest and best lamp stove on the market. Reservoir cast in one piece. Top grates, cones and mica frames highly nickel plated. Has extra large fount.

No. **1.** One 4 inch brass burner; takes 4x8 wick Wt. per doz., 60 lbs. Per Doz..... $15 00

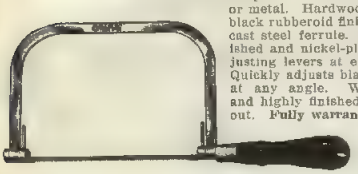
No. **2.** Two 4 inch brass burners; takes 4x8 wicks Wt. per doz., 75 lbs. Per Doz. . $30 00

No. **3.** Three 4 inch brass burners; takes 4x8 wicks. Wt. per doz., 110 lbs. Per Doz..... $45 00

COPING AND BRACKET SAWS

COPING SAWS

Clean Cut TRADE MARK



No. 90

Heavy steel frame, full polished and nickel-plated. Extra fine quality blades, tempered to cut either wood or metal. Hardwood handle, black rubberoid finish. Heavy cast steel ferrule. Full polished and nickel-plated. Adjusting levers at either end. Quickly adjusts blade to saw at any angle. Well made and highly finished throughout. **Fully warranted.**

No.	Blade	Wt. per doz	Per doz.
90	$\frac{1}{16}$x6 $\frac{1}{2}$	6 lbs.	**$12.00**
	Extra Blades		**1.00**

One extra blade with each frame. One-half dozen in box.

F. P. M.

Frames cold drawn steel, highly polished; hardwood handles Blades best band saw steel; teeth can be re-filed and re-set. Being on swivel, it will cut any angle or corner. Will cut light metal as well as wood.

	Blade	Wt. per doz.	Per doz.
F. P. M.	$\frac{1}{16}$x6 $\frac{1}{2}$	6 lbs.	**$12.00**
			Per gross
	Extra Blades		**1.00**

One extra blade with each frame; one-third dozen in box.

No. 100

Nickel-plated steel wire frames; 6 in. blade. Depth of cut 4 in.

No.	Wt. per doz.	Per doz.
100	4 $\frac{1}{2}$ lbs.	**$4.00**
		Per gross
	Extra Blades	**2.50**

Saws packed one dozen blades with each frame; one-half dozen in box Blades one gross in box.

MILLER'S FALLS

No. 42

Frame steel, $\frac{5}{8}$ in. diameter. Cocobolo handle, metal parts polished and nickeled. Clamp studs are set in sockets, upper one ball-bearing, which permits blade to follow line of work. Studs can be made rigid. Three No. 60 6x$\frac{1}{2}$ in. blades furnished with each frame.

No.	Wt. per doz.	Per doz.
42	6 $\frac{1}{2}$ lbs.	**$24.00**
No.	**Extra Blades**	Per doz.
60	6x$\frac{1}{2}$ in.	**.$1.00**

Saws one-fourth dozen; blades one gross in box.

BRACKET SAW SET

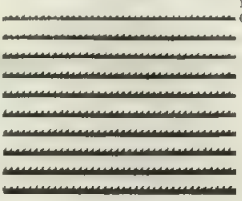
No. 2

Spring steel frame, 5x12 in., polished and nickel-plated. Patent clamps and rosewood handle. Complete with 12 saw blades, one awl, one sheet of impression paper and three sheets of designs.

No.	Wt. per doz. sets	Per doz. sets
2	13 $\frac{1}{2}$ lbs.	**$30.00**

One-twelfth dozen sets in a box.

BRACKET SAW BLADES



NOS. 00 TO 8

For cutting wood, shell, bone and soft metal.

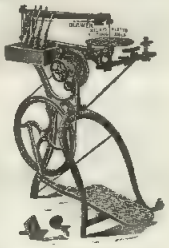
No.	Wt. per gross	Per gross
00 to 6	1 oz.	**$2.00**
7	1 oz.	**2.20**

One gross in a package.

SCROLL SAW

No. 2

SCROLL SAW AND LATHE



LESTER

New Rogers scroll saw. Emery balance, nickeled tilting table. Pratt's positive rubber blower, balance wheel, wrench and 3 drill points, 12 saw blades, and designs.

No.	Weight	Each
2	50 lbs.	**$8.00**

One in a case.

Improved scroll saw and lathe. With circular saw, solid emery wheel, drilling and lathe attachments, wrench, screwdriver and box of tools

	Wt. each	Each
Lester Improved	85 lbs.	**$20.00**

One in a case

Fine Library and Floor Reed Fibre Lamps

Selected Materials, Finest of Workmanship and Finish

PRICES EACH, F. O. B. OUR WISCONSIN FACTORY

TABLE LAMP

Made of fine reed fibre, brushed brass fixtures, cretonne lined shade, diameter 20 inches, 2 pull chain sockets. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 15 pounds. Complete with silk cord and connections.

No. 10522 Any finish . . . . . each $36.90

TABLE LAMP

Made of fine reed fibre, brushed brass fixtures, cretonne lined shade, diameter 18 inches, one pull chain socket. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 14 pounds. Complete with silk cord and connections.

No. 10512 Any finish . . . . . each $21.75

TABLE LAMP

Made of fine reed fibre, brushed brass fixtures, cretonne lined shade, diameter 22 inches, two pull chain sockets. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 17½ pounds. Complete with silk cord and attachments

No. 10532 Any finish . . . . . each $42.45

FLOOR LAMP

Selected white maple frame, fine reed fibre shade, all posts wound with reed fibre, brushed brass fixtures, three pull chain sockets, fine cretonne lined shade, diameter 28 inches. Total height 70 inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 32 pounds. Complete with silk cord and connections

No. 10542 Any finish $54.25

DOME

Fine reed fibre dome, cretonne lined, frosted glass center, drops wound with reed fibre, brushed brass fixtures, diameter 28 inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 13 lbs.

No. 10562 Any finish $39.50

FLOOR LAMP

Selected white maple frame, fine reed fibre shade, sides and base; all posts wound with reed fibre. Diameter of shade 28 inches, cretonne lined, brushed brass fixtures, three pull chain sockets. Made in brown, green, gray, white enamel or ivory finish. Shipping weight about 27 pounds. Complete with cord and connections

No. 10552 Any finish $31.15

Fine Lawn and Porch Furniture

Finest of workmanship. Bentwood pieces made from the best selected elm. Guaranteed to stand the weather, as only the best varnish suitable for the purpose is used.

PRICES EACH

BENTWOOD SETTEE ROCKER

Made of selected elm, finished in ... green and golden and fancy decorated.

No. 5002 Length 3 ft., weight about 25 lbs. ..... each $10.85
No. 5022 Length 4 ft., weight about 28 lbs. ..... each 11.95

BENTWOOD ROCKER TO MATCH

No. 2682 Weight about 18 lbs. ..... each $7.60

BENTWOOD CHAIR TO MATCH

No. 2702 Weight about 15 lbs. ..... each 6.50

BENTWOOD LAWN SETTEES TO MATCH

No. 2502 Length 6 feet, weight about 40 lbs. ..... each $13.05
No. 2522 Length 5 feet, weight about 33 lbs. ..... each 11.95
No. 2542 Length 4 feet, weight about 25 lbs. ..... each 9.80
No. 2562 Length 3 feet, weight about 20 lbs ..... each 8.70

SETTEE

Made of selected hardwood, fumed or early English finish, with extra coat of varnish to stand outdoor use. Shaped seat. Length 48 inches, weight about 30 lbs.

No. 2912 Each. $9.75

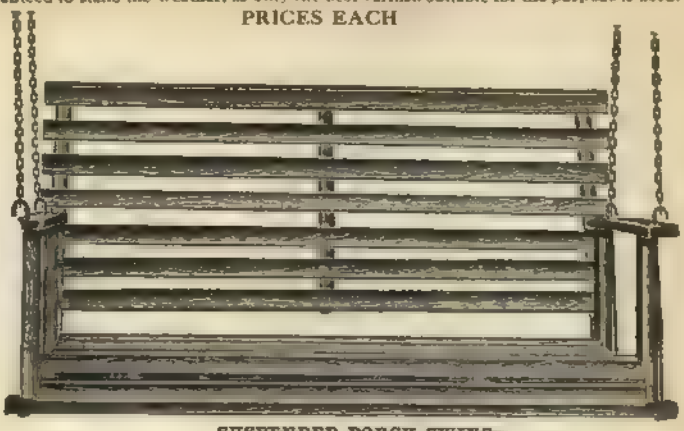
ROCKER

Made of selected oak wood, substantially constructed throughout, all parts screwed or bolted, width of seat 20 inches, seat and back slats made of one piece wood, shaped to body; furnished in fumed, early English or forest green finish; coated with weatherproof varnish; complete with chain and ceiling hooks.

No. 6722 Rocker ..... each $14.15

CHAIR TO MATCH

No. 6742 Chair ..... each 13.05



SUSPENDED PORCH SWING

Made of selected hardwood, fumed or early English finish. Shaped seat. Furnished with galvanized chains for 10-foot ceiling, and ceiling hooks. Length 48 inches, weight about 35 lbs. Guaranteed to hold 1,000 lbs.

No. 5622 Each. $10.85

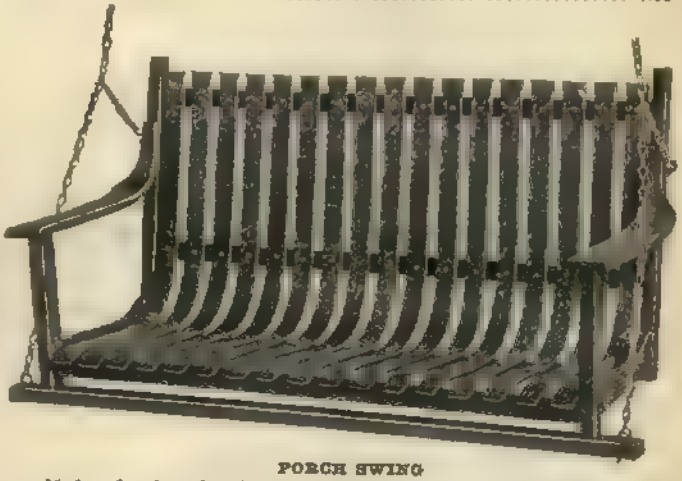
ROCKER

Made of selected hardwood, fumed or early English finish. Width of seat 20 inches, outside measure 25 inches. Matches No. 2912 Settee. Weight about 16 lbs.

No. 2932 Each. $8.70

CHAIR TO MATCH

No. 2952 Each 7.60



PORCH SWING

Made of selected oak wood, substantially constructed throughout, all parts screwed or bolted, seat and back slats made of one piece wood, shaped to body; furnished in fumed, early English or forest green finish; coated with weatherproof varnish; complete with chain and ceiling hooks.

	4 feet	5-foot	6 f...
No. 5702 Each	$17.35	$21.70	$23.45

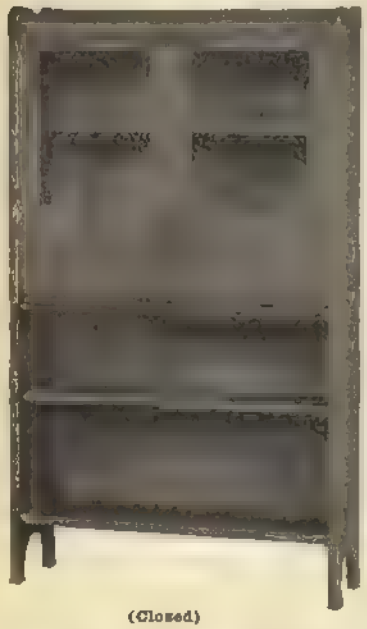
SETTEE TO MATCH—Same as Above

	4-foot	5 foot	6 foot
No. 6702 Each	$16.25	$20.60	$24.95

SHIPPED F. O. B. OUR WISCONSIN FACTORY

Fine Library Cases

Made from Thoroughly Seasoned Full One-Inch Quarter-Sawed Oak. Every Article Guaranteed to be of the Best Material and Workmanship and to Give Satisfaction. All Cabinets are Finished Inside



(Closed)

(Open)

STUDENT BOOK CASE

Made of solid oak, gloss finish. Height, 56 inches; width, 32 inches. Desk compartment, when desk is closed has the appearance of a drawer; when opened and pulled forward makes a roomy writing desk. Glass doors above desk; curtain rod furnished for lower part. Shipping weight, 100 pounds.

No. **0612** Each **$23.00**

Made of finest selected quarter-sawed oak. Height, 65 inches; width, 50 inches. Four adjustable oak shelves and back; fancy and leaded glass door. Pillar shaped plastered and box, claw feet, castered. Golden oak weathered, fumed or early English finish. Shipping weight, about 180 pounds.

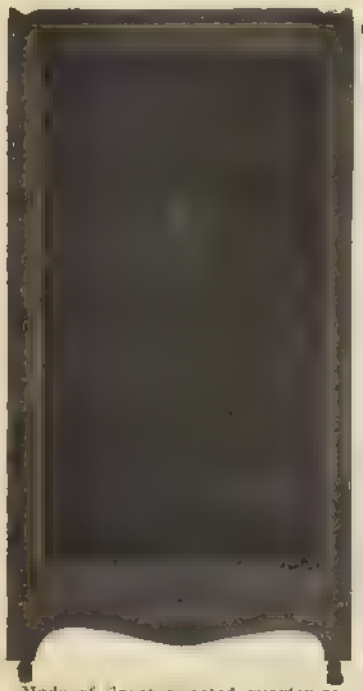
No. **4112P** Polished finish ..... each **$77.80**

Also furnished in mahogany veneered on hardwood stock at same price.

Same as above, plain glass door.

No. **4792P** Polished finish ..... each **$69.90**

When ordering, state finish desired.



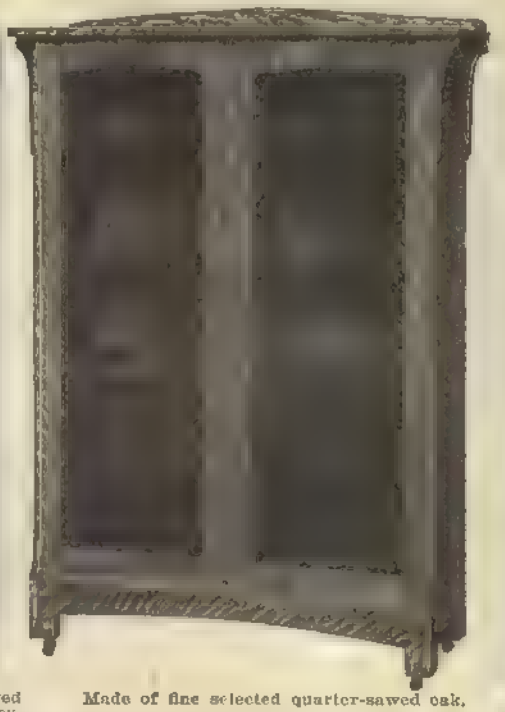
Made of finest selected quarter-sawed oak. Height, 58 inches; width, 29 inches. Four adjustable oak shelves and back; castered. Golden oak, weathered, fumed or early English finish. Shipping weight, about 100 pounds.

No. **5002½** Gloss finish, each.... **$31.00**
No. **5002½P** Polished finish, each. **33.90**

Same as above, with two doors 40 inches wide. Shipping weight, about 150 pounds.

No. **5012½** Gloss finish, each. . **$36.90**
No. **5012½P** Polished finish, each.. **39.90**

When ordering, state finish desired.



Made of fine selected quarter-sawed oak, golden oak, weathered, fumed or early English finish. Height, 60 inches; width, 40 inches. Four adjustable oak shelves and back. Shipping weight, 150 pounds.

No. **222** Polished finish ..each **$48.90**

When ordering, state finish desired.

Made of finest selected quarter-sawed oak. Height, 60 inches; width, 42 inches. Four adjustable oak shelves and back. Heavy scroll feet, castered. Golden oak weathered, fumed or early English finish. Shipping weight, about 135 pounds.

No. **4232P** Polished finish ..... each **$55.80**

Also furnished in mahogany veneered on hardwood stock at same price.

When ordering, state finish desired.

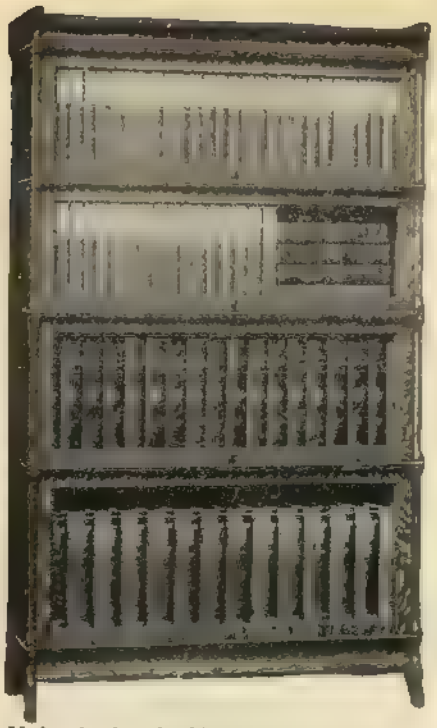
Fine Sectional Library Cases

All of these cabinets listed on this page are made of selected materials by fine cabinet makers and finished by the finest skilled labor.

Contain the following exclusive features: Interlock both laterally and vertically by a simple device, making practically a solid book case. Doors are provided with the simplest and best equalizers known and cannot bind. Construction is such that the case is practically dust-proof. Extra sections may be added when wanted so as to build any case desired.

Prices F. O. B. Chicago.

When ordering, state finish desired.



Made of selected white quartered oak, fumed, golden brown, weathered oak and early English finish. Also made of birch mahogany finish, high polished. Total height, 59 inches. Shipping weight, 135 pounds.

No. **22S** Complete, as illustrated $65.10

Separate sections can be furnished at the following prices

Top section ...	each	$ 7.25
9-inch book section	each	12.10
11-inch book section	each	12.70
13-inch book section	each	13.70
Sanitary base ...	each	7.25

Can be furnished with solid base at same price.

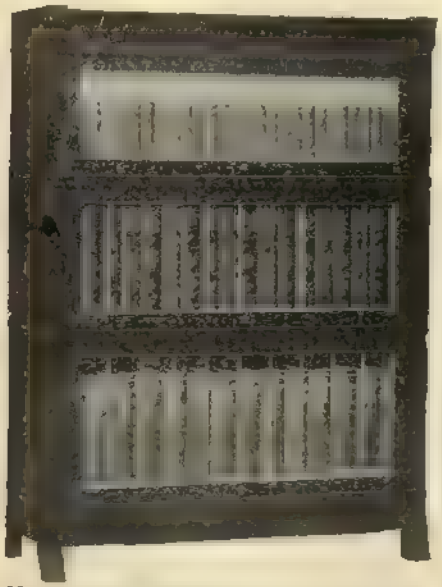
Made of selected white quartered oak, fumed, golden brown, weathered oak and early English finish. Also made of birch mahogany finish, high polished. Total height, 48 inches. Shipping weight, 120 pounds.

No. **12S** Complete as illustrated $53.00

Separate sections can be furnished at the following prices:

Top section	each	$ 7.25
9 inch book section	each	12.10
11-inch book section	each	12.70
13-inch book section	each	13.70
Solid base ...	each	7.25

Can be furnished with sanitary base at same price.



Made of selected white quartered oak, fumed, golden brown, weathered oak or early English, dull rubbed wax oak finish. Mission style, illustration shows vertical leaded glass. Total height, 48 inches. Shipping weight, 135 pounds

No. **142MV** Complete, as illustrated, with vertical leaded glass $71.90

No. **142M** Complete, as illustrated, without vertical leaded glass.. 59.85

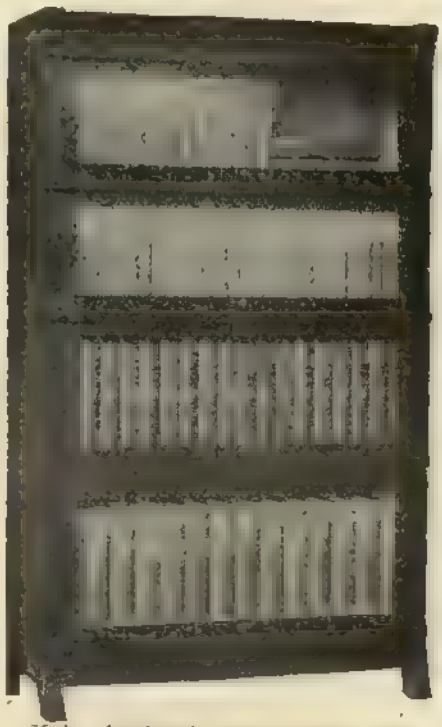
Separate sections can be furnished at the following prices:

9-inch book section—
- With plain glass.....each $13.70
- With vertical leaded glass.....each 17.50

11-inch book section—
- With plain glass.....each $14.90
- With vertical leaded glass.....each 19.00

13-inch book section—
- With plain glass.....each $16.00
- With vertical leaded glass each 20.15

Top section .....each 8.00
Base section .....each 7.25



Made of selected white quartered oak, fumed, golden brown, weathered oak or early English, dull rubbed wax oak finish, mission style. Total height, 59 inches. Shipping weight, 150 pounds.

No. **152M** Complete, as illustrated..$73.55

Separate sections can be furnished at the following prices.

Top section	each	$ 8.00
9-inch book section ..	each	13.70
11-inch book section....	each	14.90
13-inch book section.....	each	16.00
Base section .....each		7.25

When ordering, state finish desired.

Made of selected white quartered oak, golden high polished, fumed, golden brown, weathered oak, or early English wax finish. Also made in solid mahogany with paneled ends, highly polished or dull rubbed. Total height, 48 inches. Shipping weight, about 135 pounds. Illustration shows double diamond leaded glass.

No. **102CDD** Complete, as illustrated, any oak finish with double diamond leaded glass $91.85

No. **102CDDM** Complete, as illustrated, mahogany finish, with double diamond leaded glass $102.55

Same as above with plain glass.

No. **102C** Any oak finish, complete.....$75.95

No. **102CM** Mahogany finish, complete..... 86.65

Separate sections can be furnished at the following prices

9-inch book section—	Each
Oak—plain glass	$17.60
Oak—double diamond leaded glass ..	22.90
Mahogany—plain glass	19.95
Mahogany—double diamond leaded glass.	25.25
11-inch book section—	
Oak—plain glass	$18.80
Oak—double diamond leaded glass	24 10
Mahogany—plain glass	21 10
Mahogany—double diamond leaded glass.	26.40
13-inch book section—	
Oak—plain glass	$19.95
Oak—double diamond leaded glass	25 25
Mahogany—plain glass	22 30
Mahogany—double diamond leaded glass	27.60
Top section—oak.....	10.30
Top section—mahogany	12.35
Base section—oak	9.40
Base section—mahogany ..	10.95

present S. A. E. rod and yoke end standards might well be considered with the purpose of including larger sizes for tractor use, if this should prove desirable. The Miscellaneous Division of the S. A. E. Standards Committee now has in mind a similar extension of this standard to include sizes said to be needed for use on motor trucks.

It is clear that unity of action between automobile and tractor engineers is very desirable. Beyond question there are numerous particulars in which identical standards can be used, with corresponding saving in cost of manufacture and much economy of effort. It is also obvious that parts makers and tractor manufacturers will require smaller stocks of material, once suitable standards are established.

Aside from matters of standardization, many of the problems automobile, tractor, aeronautic and marine engineers have to contend with, are identical, since the same or closely allied types of combustion engine are involved in their product. All these engineers are, for example, interested in the development of means for using heavier and less volatile fuels than are now generally employed. Each group will benefit by the efforts of the others in the development of satisfactory devices for this purpose. Unquestionably the same thing is true of numerous other problems.

Linn Mfg. Corp., Lincoln, Neb., organized with a capital of $50,000 to manufacture autos, tractors, etc. Incorporators are H. H. Linn, G. Whitman and L. R. Morris.

According to the State Board of Agriculture, Kansas has 3932 tractors in use. Only one county of 105 in the State is without tractors. The number now in use represents an increase of 60 per cent. over those in use a year ago.

R. E. Taylor Corp., distributor of the Gramm-Bernstein truck, has secured the following location in various cities: New York, 614-20 West 57th Street; Brooklyn, 338 40 Flatbush Avenue; Boston, 26 Green Street, Cambridge; Philadelphia, 1540-42 Callowhill Street.

Tractor Club, Kansas City, recently elected the following officers and directors: E. J. Anderson, president; H. L. Thienna, vice president; Guy Hall, secretary-treasurer; W. R. Ellis, H. A. Kaufmann, G. C. Weyland and L. J. Brooking. A truck show will be held during the week of the automobile show.

Modern "Army Horse" Used to Increase Enlistments

This illustration shows a Line Drive Tractor, made by the Line Drive Tractor, Incorporated, of Milwaukee, Wis., drawing army equipment through Chicago streets. Demonstrations occurred daily in Grant Park, from February 5th to 20th, and recruiting office attaches claimed that enlistments were materially increased. The crowds following the outfit blocked traffic, and moving picture firms filmed the outfit.

PISTOLS AND CARBINES

THE NEW "LUGER" RAPID-FIRE AUTOMATIC REPEATING

Luger Automatic Pistol

The Luger Automatic Pistol is capable of firing over 100 shots per minute. Magazines are interchangeable and easily thrown out and inserted. Capacity of magazine 8 cartridges, thus giving the operator 9 shots without interruption, which can be fired in less than five seconds, without changing the magazine when there is one cartridge already in the barrel. Its construction makes it absolutely safe against accidental discharge. Using a 30 caliber cartridge, it has a velocity of 1,200 feet per second, thus giving the bullet greater striking effect than a 44 caliber, used in the ordinary pistol.

No. **30L.** 30 caliber (7.65 M-M) blued finish, walnut stock, 4⅝ inch barrel, length over all 9 inches; eight shots; weight 29 ounces ..... Each $27 50
Extra Magazines Complete ..... Each 3 00

Luger Sporting Carbine

No. **30LC.** 30 caliber (7.65 M-M), similar in construction and action to the Luger Pistol; it is a repeater shooting 8 shots and automatically reloading after each shot as long as the cartridges remain, length of barrel 11¾ inches, length over all 29 inches; weight 4 pounds 1 ounce..... Each $35 00

MAUSER SELF-LOADING COMBINATION PISTOL AND CARBINE

The whole operation of extracting the exploded cartridges, the cocking of the hammer, the reloading and closing of the action of the arm is done automatically, not by the force of any part of the gases generated by the powder, but mechanically by the recoil.

The barrel of this arm rests and slides on a truck, and the recoil of the fired cartridge, being utilized to automatically perform the functions of discharging the empty shell and reloading the weapon, is hardly felt.

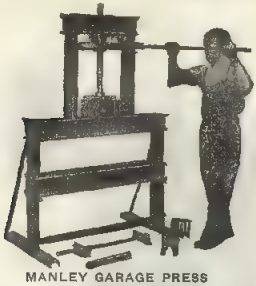
This arm, although in the shape of either Carbine or Pistol, is as accurate as a rifle with a much greater range than most rifles in use. It has a very low trajectory and is sighted up to 500 and 1,000 yards.

As an offensive or defensive weapon it has no equal, it being the most approved of all similar automatic arms.

All parts of the arm are strong and simple and not liable to break or get out of order.

No. **30M.** 30 Caliber Mauser, combination Pistol and Carbine, 5½ inch barrel; weigat, Pistol only, 2½ pounds—complete with Case, 3½ pounds..... Each $35 00

MANLEY GARAGE TOOLS



MANLEY GARAGE PRESS

MANLEY GARAGE PRESS

Capacity 22 tons. Clearance 42 inches. Two leverages; high speed 1000 to 1, high power 2200 to 1. Lower table instantly adjustable on pins (no bolts to remove, no danger to workmen). Both tables have wide faces to properly support the work. Screw 2 inches diameter, 4 pitch square thread, 12 inch travel; does not revolve.

"V" plate which automatically adjusts itself to any size arbor, mandrel or shaft. Upper press takes work 18½ inches wide by 16 inches under screw. Lower press 42 inches wide by 24 inches between tables. Tables removable if desired. Maximum length under screw 46 inches. Thrust bearing hardened tool steel. Hand wheel 14 inches, threads in the nut 3½ inches long. Built of heavy 5 inch channels throughout. Channel blocking is heavily braced and cannot crush. Factor of safety many times the rated capacity. Weight 450 pounds; height over all 70 inches; occupies floor space of 46x30 inches.

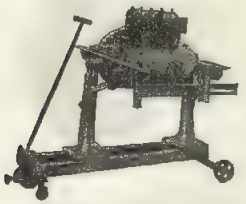
	Weight	Each
*Manley Garage Press	450 lbs	$100.00

PORTABLE FLOOR CRANES

PORTABLE FLOOR CRANE

More convenient than a traveling train for many purposes, as it can reach all corners of the shop. The design is a cantilever (bridge type), trussed down to the base with steel tie rods, giving maximum strength. Superstructure is steel. Base of cast iron, giving it the necessary strength and weight where required. Ratio of leverage on the hoist drum is very high for ease of operation. The gears are wide face with four pitch teeth and provided with safety guard. Chain is steel-electric welded. Pulling handle all steel. The bases are low for limited clearance. The base rests on three wheels, eliminating all twisting strains. Wheels have wide face, which facilitates moving. Steering wheels can be locked (with foot), to make the crane immovable. Chain drums allows the chain to wrap singly, will not crowd itself and slip down from one convolution to the other, with the tremendous strain and possible breakage. The operating handle may be moved from the center position to outside, giving double leverage. Capacity one ton. Lift 7 feet; overhang in the clear 32 inches; width of base outside 30 inches; height of base 6 inches; weight 450 pounds.

	Each
Portable Floor Cranes	$100.00



EVERY WAY ENGINE STAND

EVERY WAY ENGINE STAND

General Construction.

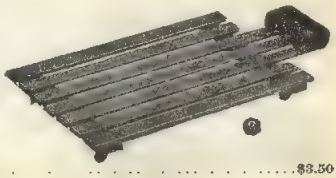
Upright of cast iron, cored hollow with vertical slots, in which two steel brace clamping nuts travel. The base is two steel "Z" bars bolted to floor by expansion bolt. One upright rigidly bolted to the "Z" bars at one end, the other adjustable to take any width of engines. Slides along the "Z" bar to clamps, similar to the tail stock of a lathe. Supporting arms or steel angles with 100 bored holes, both in horizontal and vertical sides. These angles pivoted at center in the two uprights. Engine bolted to the angles by the same supporting brackets, which hold it in the chassis frame. For three point suspension motors an adjustable cross bar is furnished. Also has vertical and horizontal adjustments to suit the engine. Has four steel straps for Ford or similar motors. Made of steel and cast iron, will never become shaky, and should last a lifetime without repairs. Height to top of cross arms 30 inches, length of cross arms 44 inches, length of base 54 inches; weight 185 pounds.

	Weight	Each
Every Way Engine Stand	185 lbs	$50.00

AUTO CREEPER

Frame made of one inch angle iron, net work ⅞ inch flat band iron, tapped to frame. Caster steel wheels, ball-bearing and riveted in place. Head rest enameled duck. Entire frame black baked enamel.

Light and convenient for working under any car. Has upholstered pillar and fitted with roller bearing malleable iron casters. Length 36 in.; width 18 in.

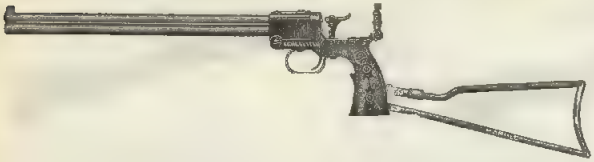


No.		Weight	
2	Auto Creeper	9¼ lbs	$3.50

*Factory only.

MARBLE'S GAME GETTER GUN

Used by thousands of hunters and others. "Two guns in one—one gun for all game."



SHOWING GAME GETTER GUN IN HOLSTER

Upper barrel is .22 caliber rifle. Lower barrel is .44 caliber, smooth bored for shot or round ball. Length of barrels, 12, 15 and 18 in. Stock adjustable to any "drop," folds up or detaches. Carried with holster on shoulder (over or under coat), is ready for instant action. Either barrel is used without change of sights or adjustment. Can be supplied from factory. For 410 gauge shell.

With flexible rear sight, lock leaf sight, gold bead sight and holster.

No.		Each
A12	12 in. barrels	$18.00
A15	15 in. barrels	19.00
A18	18 in. barrels	20.00

With lock leaf sight, gold bead sight and holster.

No.		Each
B12	12 in. barrels	$15.00
B15	15 in. barrels	16.00
B18	18 in. barrels	17.00

Weight in box complete, 4 to 4½ lbs.

AIR RIFLES

DAISY

No. 12—SINGLE SHOT

Steel barrel, 18 in. long. Length over all, 30 in. Black walnut stock. Knife blade front and peep rear sights. Full nickeled. Break action. Shoots air rifle shot and darts.

No.	Wt. each	Per doz.
12	1⅝ lbs.	$16.80

One dozen in a case. Weight, 29 lbs.

No. 30—500 SHOT

Steel barrel, 20 in. long. Length over all, 32 in. Black walnut stock, oiled and polished. Rocky mountain front and peep rear sights. Lever action. All parts interchangeable. Shoots 500 times, without reloading.

No.	Wt. each	Per doz.
30	2¾ lbs.	$27.00

One-half dozen in a case. Weight, 22 lbs.

No. 11—350 SHOT

Steel barrel, 18 in. long. Length over all, 31½ in. Walnut stock. Rocky mountain peep and rear sights. Full nickel-plated. Break action. Shoots 500 times, without reloading.

No.	Wt. each	Per doz.
11	1⅞ lbs.	$21.00

One dozen in a case. Weight, 27 lbs.

No. 3—1000 SHOT

Steel barrel, 23 in. long. Length over all, 36 in. Black walnut stock, oiled and polished. Rocky mountain front and peep rear sights. Lever action. All parts interchangeable. Shoots 1000 times, without reloading.

No.	Wt. each	Per doz.
3	3 lbs.	$33.00

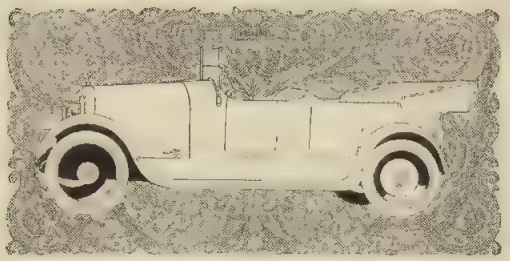
One-half dozen in a case. Weight, 28 lbs.

No. B3—1000 SHOT

As No. 3, with blued finish frame and barrel and highly polished stock. Shoots 1000 times, without reloading.

No.	Wt. each	Per doz.
B3	3 lbs.	$39.00

One in carton. One-half dozen in a case. Weight, 30 lbs.



DEALERS IN SMALL COMMUNITIES. ARE MAKING RECORD SALES OF

MARMON 34'S

In practically every small town or rural district, there are people who demand a car of marked superiority.

They have the means of gratifying this desire, too. In the Urbana, Illinois, territory, the Marmon Buick Sales Company sold 19 Marmon 34's in ten months of last year.

And many other such record sales best indicate the manner in which the Marmon 34 measures up to the ideals of discriminating buyers.

Now that the Spring selling season will soon be in full swing, just think of the numerous persons in your territory who would likely be interested in the Marmon 34.

And they would buy Marmon 34's too, if they could only ride in one or drive it. Of course, it's up to *you* to give them the chance.

NORDYKE & MARMON COMPANY

Established 1851 INDIANAPOLIS, INDIANA

A Distinctive PLUG

Master Calorite Spark Plug. Regular Length, $1.00 each.

MASTER

CALORITE SPARK PLUGS

Distinctive—Because—

-Adopted for the entire requirements of the U. S Post Office Department

—Improved in design—yet retaining every quality characteristic which has made them nationally famous and popular.

—The Master Calorite Insulator is ultra sturdy.

Master Calorite Spark Plugs will endure not only the severest requirements of legitimate service—

But also anticipate the possibility of mechanical carelessness.

And Because—

our plans for 1917 are designed to assist jobbers and dealers to the utmost. You can take pride in unreservedly recommending Master Calorite Spark Plugs to your customers as we do to you—

Because—

Every user is protected thus—

"We guarantee Master Calorite Spark Plugs against all defects of material or workmanship and will replace free of charge any Calorite insulators broken by heat which are returned to us transportation prepaid."

The Master line provides a plug for every style and type of engine Six styles Half-Inch Regular 7/8" Regular Metric, 7/8" Long, Half-Inch, Long, Model "F" for Fords and Reos

The New Master Calorite Spark Plug Display Stand is ready —It is a silent salesman—placed in the window or on the show case.

It will pay you to handle Master Calorites this year—The already heavy demand is rapidly increasing—Do you want your share?—

Write us *now* for full particulars, price and our proposition to jobbers and dealers

MASTER CALORITE SPARK PLUGS

Made in U. S. A.

Manufactured and Guaranteed by

HARTFORD MACHINE SCREW COMPANY

492 CAPITOL AVENUE, HARTFORD, CONN.

MAXFER

THE WHALE FOR WORK

DEPENDABLE TON TRUCK

An Advanced Worm-Drive Truck

The dealer who handles the Maxfer Ton Truck has a distinct advantage over competition. He can offer a high-grade truck, well constructed, designed along advanced lines, and great in its performance, at a price remarkably low for the quality involved.

Among the high lights of Maxfer construction are: Wisconsin Worm-Gear Axle, Dyneto Two Unit Electric Starter, Bailey Non-Stalling Differential, Lycoming Motor, Lavine Steering Gear, Tuthill Springs, Prudden Wheels, Carter Carburetor, Pressed-Steel Frame, Trouble-proof Electric Lights, I-Beam Drop-Forged Front Axle, 130 inch Wheel Base.

And the price for all this is but **$1195** *With Cab, Windshield and Express or Stake Body*

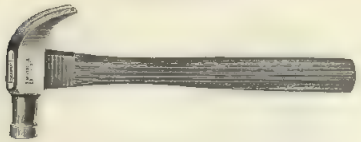
Live dealers will grasp this opportunity at once.

MAXFER TRUCK & TRACTOR COMPANY

5023-35 S. Wabash Ave. CHICAGO, ILLINOIS

NAIL AND TACK HAMMERS

MAYDOLE NAIL

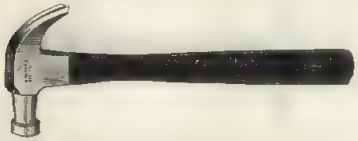


NOS. 10 TO 13

Crucible cast steel, polished, with hickory handles. Adze eye, bell face

No.	Wt. head	Wt. per doz.	Per doz.
10	25 oz	25 lbs.	$16.00
11	19 oz.	21 lbs.	13.00
11½	16 oz.	18 lbs.	12.00
12	12 oz.	16 lbs.	11.25
12½	10 oz.	14 lbs.	10.50
13	7 oz.	10 lbs.	10.00

One-half dozen in a box



No. 611½

Crucible cast steel, nickel-plated. Ebonized hickory handles. Adze eye, bell face.

No.	Wt. head	Wt. per doz.	Per doz.
611½	16 oz.	18½ lbs.	$18.00

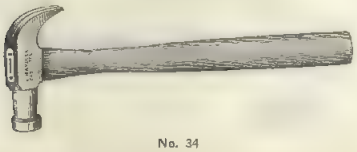
One-half dozen in a box

NOS. 711 AND 711½

Crucible cast steel, polished, with hickory handles. Adze eye, bell face, straight claw

No.	Wt. head	Wt. per doz.	Per doz
711	19 oz.	21 lbs.	$13.00
711½	16 oz.	18 lbs.	12.00

One-half dozen in a box



No. 34

Crucible cast steel, polished; hickory handles. Joiners' pattern; bell face.

No.	Wt. head	Wt. per doz.	Per doz.
34	4 oz.	5 lbs.	$8.50

One-half dozen in a box

TACK

NOS. 34 AND 650

Upholsterer's pattern. Adze eye. Polished.

No.		Wt. per doz.	Per doz.
34	Cast Iron	4½ lbs.	$2.00
650	Cast Steel	5 lbs.	4.00

One dozen in a box

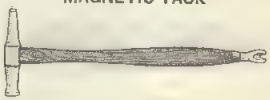
No. 4

Malleable iron, inlaid handle, hardened face.

No.	Wt. per doz.	Per doz.
4	5¾ lbs.	$3.50

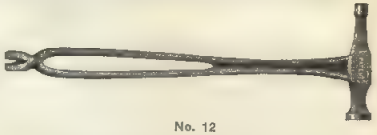
One dozen in a box

MAGNETIC TACK



NOS. 1 AND 2

No.		Wt. per doz.	Per doz
1	Small, claw on head	3⅞ lbs.	$1.75
2	Medium, claw on handle,	4⅛ lbs.	2.00

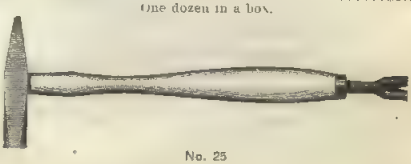


No. 12

Malleable iron

No.	Wt. per doz.	Per doz.
12	5¾ lbs.	$1.75

One dozen in a box.



No. 25

Polished, with claw.

No.	Wt. per doz.	Per doz.
25	2⅝ lbs.	$1.25

One dozen in a box

HAMMERS

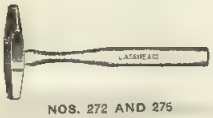
MAGNETIC TACK

No. 271

Cast steel, polished; hickory handle.

No	Wt. head	Wt. per doz.	Per doz
271	4 oz.	6 lbs.	$5.00

One dozen in a box.

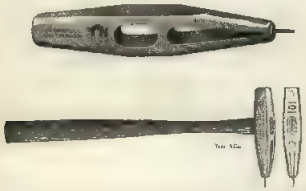


NOS. 272 AND 275

Cast steel, polished; hickory handle.

No.	Wt. head	Wt. per doz.	Per doz.
272	5 oz.	7 lbs	$5.00
275	8 oz.	8 lbs.	8.00

ROBERTSON'S MAGNETIC HORSESHOE



No. 412—TACK

No.	Wt. per doz.	Per doz.
412	5¼ lbs.	$9.00

One dozen in a box.

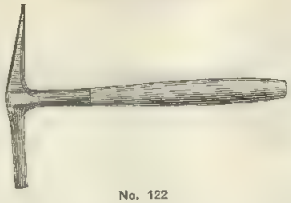
NOS. 502 AND 503—BILLPOSTERS'

Head and trimmings nickel-plated. Has spring for holding first tack.

No.	Handle	Wt. doz.	Per doz.
502	36 in., 2 sect.	15 lbs.	$42.00
503	45 in., 3 sect.	17 lbs.	54.00

One-sixth dozen in a box.

UPHOLSTERERS'

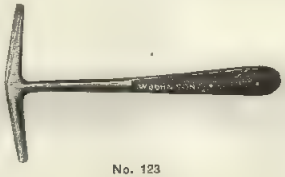


No. 122

Solid cast steel; faces assorted from ¼ to $\frac{7}{16}$ in

No.	Wt. per doz.	Per doz
122	7 lbs.	$9.00

One-half dozen in a box.



No. 123

Solid cast steel; faces assorted from $\frac{7}{16}$ to $\frac{5}{8}$ in.

No	Wt. per doz.	Per doz
123	8½ lbs.	$18.00

One-half dozen in a box.

SHOEMAKERS'

No. 035

Cast iron, japanned, polished face.

No.	Wt. head	Wt. per doz.	Per doz
035	10 oz.	9 lbs.	$3.00

One-half dozen in a box.

No 1

Cast steel, polished.

No	Wt head	Wt. per doz.	Per doz
1	13 oz.	11 lbs.	$8.50

One-half dozen in a box.

BLUE RIBBON SALE

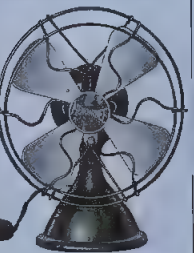
24 IN. NICKEL PLATED TOWEL BAR

2 in. bright nickeled wall plates

H6969—24 in., ⅝ in. diam., 2 in wall plates, nickeled, 1 doz in box. Doz **84c**

"MENOMINEE" NON-OSCILLATING ELECTRIC FAN

100 volt fan will be shipped unless otherwise specified. GUARANTEED "Menominee" fans are guaranteed against all mechanical defects. Should any defects develop within one year from the date of sale, the mfrs. will repair or replace without charge. A guarantee tag is furnished with every fan. NOTE: "Menominee" fans must positively be returned within 10 days from date of sale and then only for exchange. We find that in most cases where fans are returned that it is merely a matter of proper adjusting.



H7971—Universal motor for direct or alternating current, 11 in. over all, motor housing and base cast in one unit, gear speed, no switch or resistance, black finished and all re, including blades and guard, 3 in. blades, full speed 1600 R P M, complete with 5 ft cord, wt 7 lbs. Each **$4.75**

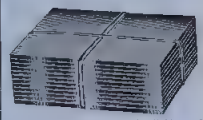
"BELMONT" MALLEABLE HEAD RAKE

Just look at the price and the quality

H1821—12 teeth, braced shanks, heavy malleable head plate ferrule, neatly lacquered 4 ft handle. 1 doz. in bdl Doz **$2.20**

GENUINE WHITE OAK LEATHER SQUARES

A wonderful bargain

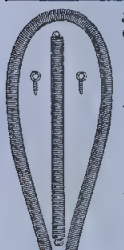


Genuine white oak, tanned, pliable good selection, each pc sufficient for large pair of tops. 1 doz. in bundle.

H7788—3 lb. to doz. pcs. . Doz. **$2.25**

H7787—3½ lb. to doz. pcs. . " **2.65**

JAPANNED COIL DOOR SPRINGS



Full length and very strong

Black ring ends, screw eyes, full length, crucible steel wire, oil tempered 1 doz. in box

H1461—10x⅝ in. Doz. **32c**

H1470—10x⅝ in. Doz **55c**

TOOL STEEL HANDY PLIERS

Peck, Stow and Wilcox's "Button"

Drop forged tool steel, hardened and oil tempered three wire cutters, side of jaws polished, natural finish handles 7 doz. in box.

H823 6 in .. Doz **$2.75**

H824—8 " **3.50**

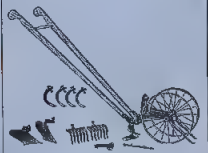
8 IN. KITCHEN KNIFE SHARPENER

One of the best seasonable bargains. A necessity in the kitchen.

H7434—8 in. tapered emery shaft, nickel plated guard 4½ in. varnished hardwood handle 3 doz. in box (Total $1.35 Doz **45c**

COMBINATION GARDEN TOOL

The handy garden tool. A big value at this special price.

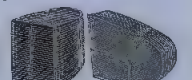


H2346—8 whee., can be changed to 1 wheel, heavy steel frame, braced ash handles, adjustable arch can be used for straddle row cultivation complete with left and right hand plowshares left and right hand hoes, 4 cultivator teeth, 2 six-tooth rakes 1 in case, 35 lbs

Each, **$4.50**

MEN'S SMALL SIZE HALF SOLE

We make you this offer in spite of the high leather market.

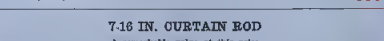


H7771—Good quality medium wt. stock, special die cut, will fit ordinary men's shoe, 2 doz in bdl

Doz. **92c**

BALL END BRASSED CURTAIN ROD

1½ in. fluted silvered balls, brass screw hooks. A fast seller



H4708 ⅜ in. brassed tubing, extends 30 to 54 in 1½ in fluted silvered balls, ½ in turned tips, 5½ in brass screw hooks 3 doz. in box. Doz **65c**

7-16 IN. CURTAIN ROD

A remarkable value at this price

H7461—⅞ in. brassed tubing, extends 30 to 54 in., 1½ in. brassed ball ends, with hooks. 1 doz. in box. Doz **78c**

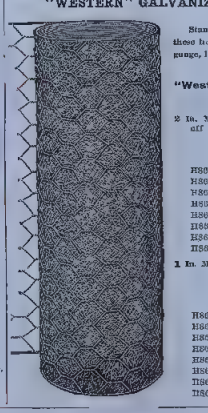
"BELMONT" FIELD OR GARDEN HOES

Entire tool black satin finish. Attractive merchandise

Forged crucible steel blades, entire tool black satin finish, solid shank, 4½ ft. handle, ½ doz. in bdl

H1283 — 6½ in. blade. Doz. **$2.85** H1805—7 in. blade. Doz. **$2.85** H1806 — 7½ in. blade. Doz. **$2.85**

"WESTERN" GALVANIZED POULTRY NETTING



Standard grade, lowest prices. Do not confuse these highest grade heavy gauge goods with the light gauge, light weight goods.

"Western" Brand Galvanized Before Weaving

2 in. Mesh—19 gauge. Prices equal about 80 % off list.

Per 100 sq. ft. **50c**

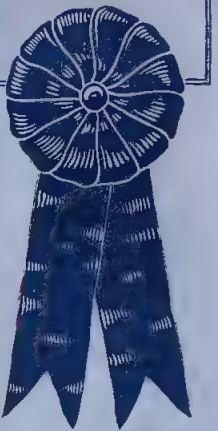
	Width	Length	Sq. Ft.	Wt.	Bdl
H8690	12 in.	150 ft.	150	12 lbs.	$0.75
H8691—18	"	150 "	225	17 "	1.13
H8692—24	"	150 "	300	23 "	1.50
H8693—30	"	150 "	375	28½ "	1.88
H8694—36	"	150 "	450	35 "	2.25
H8695—48	"	150 "	600	45 "	3.00
H8696—60	"	150 "	750	57 "	3.75
H8697—72	"	150 "	900	68 "	4.50

1 In. Mesh—20 gauge. Prices equal 80 % off list.

Per 100 sq. ft. **$1.10**

	Width	Length	Sq. Ft.	Wt.	Bdl
H8682—12 in.		150 ft.	150	14 lbs.	$1.65
H8683—18	"	150 "	225	17 "	2.48
H8684—24	"	150 "	300	28 "	3.30
H8685—30	"	150 "	375	33 "	4.13
H8686—36	"	150 "	450	37 "	4.95
H8687—48	"	150 "	600	53 "	6.60
H8688—60	"	150 "	750	68 "	8.25
H8689—72	"	150 "	900	72 "	9.90

BLUE RIBBON SALE



RETINNED FLOUR SIFTER

Fine wire sieve—4 agitators. This sifter is noted for the excellent service it gives.

H5375—6½x5½, 90 lb. retinned plate, turned edges, round handle, riveted to body, black enameled wood knob, 4 steel agitators fastened by nut to crank, fine wire sieve. 1 doz. in carton, 8 lbs.

Doz. **$1.20**

SIZE O FOOD CHOPPER

Advertise this size O food chopper with four sizes of knives for 20c. It will interest your trade.

H2395—New standard size O, 2½ in. hopper 2¾ in. barrel opens like a book, 4 size knives, heavily retinned chopper 4 doz. to box.

Doz. **$4.15**

HANDLED STRAINER ASST.

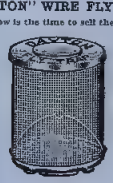
Note the free counter display rack that goes with this asst.

H5242—9 assrtd styles and sizes, bowl, tea, coffee and soup, 2 to 9 in., fine and coarse retinned bright wire mesh, black enameled wood handle, and loop, 12x3½ counter display rack. 12 hooks to hold strainers. 9 doz. in asst. (Total for set, $1.80)

Doz. **60c**

"DAYTON" WIRE FLY TRAP

Now is the time to sell these



H7295—Cylindrical shape galvanized wire cloth sides and cone, tight fitting tin top and bottom, 4¼ in. diam., 8½ in. high. 1 doz. in carton.

Doz. **65c**

10 IN. HEAVY STEEL VEGETABLE OR FRUIT PRESS

Note the heavy steel frame. Made to give lasting satisfaction

H3894—Landers, Frary & Clark's No. 1, 10 in., black japanned wrought steel frame. 1 pc. retinned steel cup, retinned steel masher. ⅜ doz. in pkg.

Doz. **$3.10**

GALVANIZED WIRE CLOTHES LINE

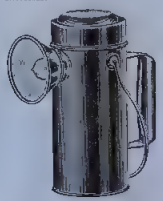
These goods are far below market value. Merchants who are posted will take advantage of this quickly.

H7205—50 ft. 4 strand 20 gauge twisted galvanized wire, galvanized to run full length. 1 doz. in bdl.

Doz. **87c**

"RADIANT" ELECTRIC HAND LAMP OR LANTERN

Throws very strong light. Use ordinary dry batteries.



H7695—Black japanned steel case, 6 in. E. Redlight bulb, 7½ in. reflector, easel back and swinging bail, handle will hold battery. 1 at box. Sold in any quantity.

Doz. **$4.25**

Send for our Sewing Machine Catalogue which shows our full line of machines. No prices given. You can show the catalogue to your trade and sell from it.

"SCOUT" FLY KILLER

Unusually attractive, flexible, strong and durable

H5078—Made of high grade 14 mesh wire cloth cut 5½x9 allowing unusually large striking surface. Bound with select quality red felt, securely fastened to 10 in. rod handle. One doz. in bundle.

Doz. **45c**

"BRADLEY" STEEL SHELF BRACKET

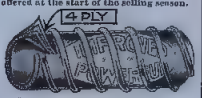
Light in weight but great in strength

H3508 Japanned lightest and strongest angle, double 18 gauge steel rods with steel brace, without screws. 1 doz. prs. in box.

Doz. prs. **95c**

IMPROVED "POWERFUL" MULTIPLE RUBBER LAWN HOSE

Studs and compare this special value, offered at the start of the selling season.



Guaranteed 4 ply, ¾ in. heavy non-rusting steel wire bound nacks, plated couplings both ends. Made to stand hard work 200 lbs. pressure

H2144 25 ft. lengths Ft. **$0.08½**

H2145—50 " " **.08**

BRASS RING LAWN SPRINKLER

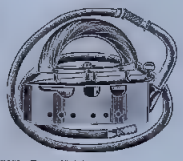
Throws a wide fountain-like spray

H1994—8 in., polished brass ring sprinkler will throw fountain-like spray 7 ft. in box.

Each. **50c**

"WRIGHT" PATENTED GAS IRON

Always an even distribution of heat and can not choke or backfire.

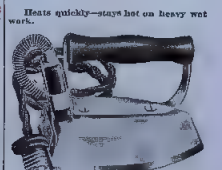


H9267—For artificial gas only. 6½ lbs., nickeled heat evenly distributed, for any gas burner, nickeled stand, 6 ft. green covered rubber tubing, patent ends. 1 in box. 8 dz.

Each. **$1.35**

"UTILITY" ELECTRIC IRON

Heats quickly—stays hot on heavy wet work.



H9895. 110 volt nickeled steel top and face plate, extra fine finish, will not rust, asbestos lined leaf type detachable element distributes heat evenly, ebonized handle, nickeled stand, Bernstein swivel socket plug and 6 ft. of cord, detachable plug at rear heats quickly, stays hot on heavy wet work. 1 in box. 8 lbs.

Each. **$2.25**

SAND PAPER ASSORTMENT

Priced very special

H1178—Asst., 6 sizes, 0, 00, ¼, 1¼, 2, 3½ in pkg. ½ ream in pkg.

Ream. **$3.75**

SUMMER HATS FOR MEN, BOYS AND CHILDREN

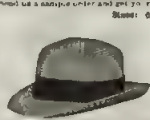
Quick selling, seasonable styles Material, make and finish not surpassed by any other jobbers in the Secured at these prices only on account of our enormous purchasing power. Stock on hand throughout the season, insuring immediate shipment. You must see these hats to know the value we give. Try us out.

MEN'S LIGHT WT.

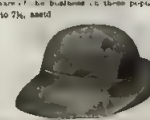
Sizes: 6¾ to 7⅞, assrtd

White Duck Outing 4-4 round crown, narrow band, bound stitched, brim white, lined sweat
A3579—1 doz. in box . Doz. **$2.25**

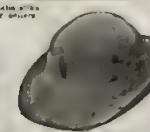
Soft Crush 3 inch 4-4 round crown, tan and gray striped and plain chambray, stitched soft brim, taped seams, leatherette sweat
A3580—Assrtd. 1 doz. in box
Doz **$2.25**



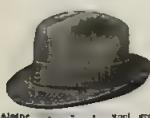
Alpine 4-4 crown black & white stripes and checks, black and self bands, stitched brim, white lining, cloth sweat
A3581—Assrtd. 2 doz. in box.
Doz **$2.25**



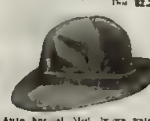
Tennis heavy white duck, self band, stitched brim, leather reinforced taped seams, leather sweat. Very durable.
A4476—½ doz in box Doz **$3.90**



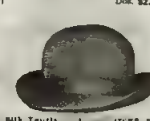
Palm Beach Traveler 4-4 round crown, superior beach cloth, self band, stitched soft brim, silk taped seams, leather sweat, Big hot weather sellers. ½ doz. in box.
A3586—Natural tan
A3587—Mid. gray
Doz **$4.00**



Alpine 4-4 round crown, self band, stitched soft brim, striped lining, leather sweat. Finest 50c value.
A3584—½ doz in box Doz **$4.40**

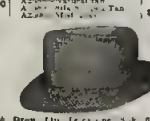


Auto Special Mid. brown water proof 4-4 crown, self band, stitched brim, silk taped seams, tufted leather sweat. Assortment of shades.
A3580—½ doz. in box . Doz. **$4.40**

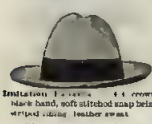


Silk Taupe 4-4 crown self band, stitched brim, silk taped seams, leather sweat. Assrtd. ½ doz. in box
Also Dk. gray striped and lox effect silk Doz
A3587—Assrtd. brown and gray silk finish poplin **$4.40**

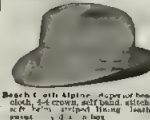
Silk Finish 4-4 crown, self band, white and black stripes, 4-4 crown, self band, small snap brim, striped lining, leather sweat
A3585—½ doz in box . Doz. **$4.40**



Drop Tip 4-4 crown, silk finish poplin, 2¾ inch stitched brim, soft crown, self band, 2½ inch stitched brim, striped lining, leather sweat
A3588—½ doz. in box . Doz. **$4.40**



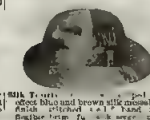
Imitation Panama 4-4 crown, black band, soft stitched snap brim, striped lining, leather sweat
A3589—½ doz. in box . Doz. **$4.40**



Beach Cloth Alpine Superfine beach cloth, 6-4 crown, self band, stitched soft brim, striped lining, leather sweat Assrtd. ½ doz. in box
A3601—Natural tan . . .
A3605—Mid. gray . . . . . Doz **$4.00**

STAR VALUE

Soft Hat Heavy white drill, 6-4 round crown, stitched pinched crease, taped seams, cloth sweat, Popular boating hat.
A3597—¼ doz. box. Doz **$4.00**



Silk Taupe 4-4 round crown, pearl black effect silk, small band and leather trim, fine silk serge lined, taped seams, leather forehead sweat.
A3590—½ doz in box . Doz. **$3.00**

Make this catalogue your buying guide and you will buy RIGHT

BOYS' LIGHT WT.

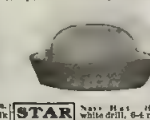
The nobby up-to-date cool selling styles for boys 8 to 16 yrs. in the popular light weight summer cloths and patterns. Increase your sales and improve your profits by using your sales [illegible] Sizes 6¾ to 7⅞ assrtd

Telescope 4-4 crown, assrtd black and dk blue small check, stitched band, self band, heavy white lining, cloth sweat.
A3578—1 doz in box Doz **$2.25**

Beach Cloth Jersey open crown, self band, stitched brim, leather sweat
A3579—½ doz in box Doz **$4.25**

Neat Mixture 4-4 whitecheck set silk, assrtd. color overplaids, raised pressed seams stitched brim, white cotton cloth sweat. Doz
A3576—Assrtd ¼ doz in box Out

Silk Taupe 4-4 round crown, assrtd fancy striped gray art silk mixtures stitched brim, silk taped seams, leather sweat
A3575—Assrtd ½ doz in box **$4.25**

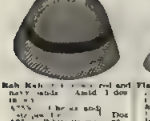


STAR VALUE

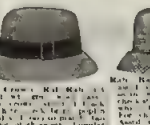
Soft Hat Heavy white drill, 6-4 round crown, stitched pinched crease, taped seams, heavy white cloth sweat.
A3596—¼ doz in box Doz **$4.00**

CHILDREN'S LIGHT WT.

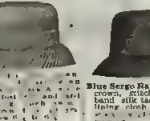
Summer is here but still pleases mothers. As young folks will take to them read- Rah Rah shapes will pull bigger sales than ever before. Sizes 6¾ to 7⅞ assrtd



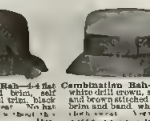
Rah Rah 4-4 crown red and navy wide Assrtd 1 doz in box These are sold at prices to sell at 25c—White lining 25c Doz
Assrtd



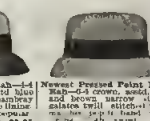
Flat Crown Rah Rah 4-4 flat crown, assrtd 1 doz in box
A3553 1 doz in box **$2.25**



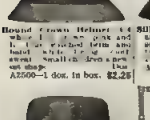
Rah Rah 4-4 crown, self band, stitched brim, leather sweat
A3600 1 doz. in box
Doz **$2.25**



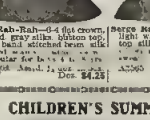
Blue Serge Rah-Rah—4-4 flat crown, self band, silk tassel trim, black lining cloth sweat Doz
A3557—1 doz. in box. **$2.25**



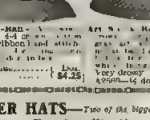
Combination Rah-Rah—4-4 white drill crown, assrtd blue and brown stitched chambray trim and band, white lining cloth sweat. Very popular
A3554—1 doz in box **$2.25**



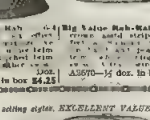
Round Crown Helmet 4-4 white [illegible] crown, pink and blue striped twill band, white lining, cloth sweat, Just the cool sweat wear for a boy on shop
A3560—1 doz. in box. **$2.25**



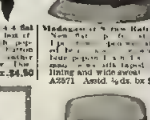
Silk Rah-Rah—6-4 flat crown, assrtd. gray silks, button top, self band stitched brim, silk taped seams, white cotton lining, cloth sweat
A3561 Assrtd. ½ doz in box
Doz **$4.25**



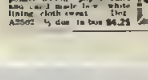
Serge Rah-Rah [illegible] light wt. 6-4 flat crown, 60c silk ribbon band
A3565 Assrtd. [illegible]
Doz **$4.25**



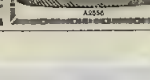
Art Silk Rah Rah [illegible] crown, stitched brim, [illegible] lining, cloth sweat. Very dressy
A3566—½ doz in box **$4.25**



Big Value Rah-Rah 4-4 flat crown assrtd striped ticking, self band, stitched brim, leather sweat
A3570—½ doz. in box. **$4.50**



Combination Rah Rah 6-4 Mexico [illegible] crown, stitched gray and blue silk poplin brim, poplin band and leather lining cloth sweat Doz
A3562 ½ doz in box **$4.25**

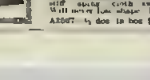


CHILDREN'S SUMMER HATS—*Two of the biggest selling styles, EXCELLENT VALUES.*

Sizes: 6¾ to 7⅞ assrtd.

Flat Crown Rah-Rah—Narrow striped galatea twill assrtd blue and brown stripes matched poplin band and loop, tan lining, cloth sweat. *Exceptional for value*
Assrtd [illegible] Doz **$2.25**

Combination Rah Rah 4-4 crown [illegible] with ribbon band and [illegible] white and [illegible] sweat
A3581—Assrtd. ½ doz in box Doz **$4.25**



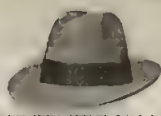
Madagascar [illegible] Rah Rah Navy [illegible] crown, [illegible] Doz
A3571 Assrtd. ¼ dz. box **$4.25**

2 Tone Rah Rah 4-4 [illegible] crown, assrtd. white & [illegible] trim, white with [illegible] lining, cloth sweat, [illegible] Doz
A3567 ½ doz in box **$4.25**

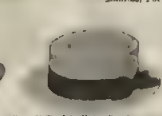
DRESS SHAPES FOR MEN AND BOYS

The season's new shapes and styles in high grade straw hats. Correct blocks and dimensions in stiff and soft brims. Sennit and split locks shapes, negligees Javas, Manilas, Porto Ricas panamas, leghorns, etc. Sizes: 6⅝ to 7⅝; sennit, thirteen stamed

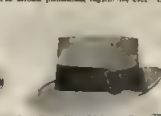
Sennit Ta... ...nit, black rib band and bow, reeded sweat, fancy tip. Big 500 value. ½ doz. in box.
A2220—8¼ in. crown, 2¼ in. brim. Doz. **$4.80**



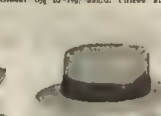
Java Alpine—Light wt. Java body, finely woven, natural color, new creased crown, rope welt edge brim, 21 ligne black rib band and bow, reeded leather sweat. ½ doz. in box.
A2230—5¼ in. crown, 2⅜ in. brim. ... **$4.40**



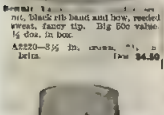
Sennit Yacht—Extra fine Jap straw head, clear white bleach, ... in. crown, 18 ligne black silk band, ... turned leather sweat. ... satin tip. ... ½ doz. in box.
Crown Brim Doz.
A2231—5¼ in. 2¼ in. ...
A2232—5½ in. 2¾ in. **$6.40**



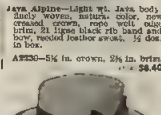
Java Drop Tip—Light wt. Java body, finely woven, natural color, new drop tip crown, rope welt edge brim, 21 ligne black rib band, reeded leather sweat. ½ doz. in box.
...8—4¾ in. crown, 2¼ in. brim. Doz. **$2.40**



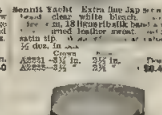
Sennit Yacht ... ...
A2218 ... **$6.40**



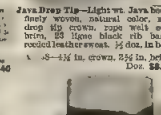
Java Telescope—Light wt. Java body, finely woven clear white bleach ridge telescope crown, rope welt brim, 21 ligne black silk band turned leather sweat. ½ doz. in box.
A2237—8¾ in. crown, 2¼ in. brim. Doz. **$8.40**



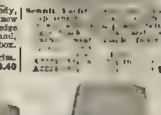
Jap Split Yacht—Fine woven Jap split braid, clear white bleach 18 ligne black silk band, turned leather sweat, inside fancy tip. ½ doz. in box.
Crown Brim Doz.
A2228—3¼ in. 2½ in. ...
A2229—3¼ " " **$8.40**



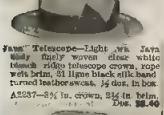
Sennit Ya... ...
A2235—3½ " ...
A2237—3½ " ... **$6.40**



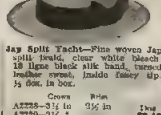
Manila Telescope—Genuine Manila body, extra fine woven, clear white bleach, newest telescope crown, bound pliable brim, 18 ligne black silk band, turned leather sweat, inside tip. ½ doz. in box.
A2241—4 in. crown, 2½ in. brim. Doz. **$12.00**



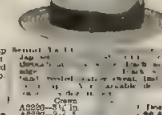
Porto Rican Ridge Crown—Light wt. Porto Rican panama body, ... brim, ... pencil curled brim, ... sweat, ... tip. Specify size. 1 in box.
... **$12.00**



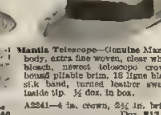
Porto Rican ... ...
Rican body, light wt., finely woven clear white bleach, new creased crown, pencil curled brim, 24 ligne black silk band, turned leather sweat. ½ doz. in box.
A2245—5½ in. crown 2¾ in. brim. Doz. **$12.00**



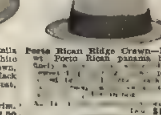
Sennit Yacht—Very fine woven Jap sennit, clear white bleach, cable edge brim, 18 ligne black silk silk band, reeded turned leather sweat, ... retail at $1.50. ½ doz. in box.
Crown Brim
A2230—3½ in. 2¼ in. ... Doz.
A2231—3¾ " 2¼ " ... **$12.00**



Porto Rican Drop Tip, ... wt. Panama ... drop tip crown, 3¼ in. pencil curled brim, underbrim faced with silk to match band. ½ doz. in box.
A2246—Brown band only ...
... **$12.00**

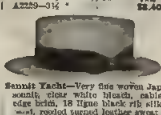


Finest Sennit Yacht—Highest grade fine woven Jap sennit braid, concealed stitch throughout, clear white bleach new cable 18 ligne ... leather sweat, ... special value to retail at $2.... ½ doz. in box.
... Doz.
... **$12.00**

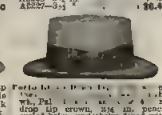


Fine Imported Leghorn—Genuine Italian leghorn body, natural color, drop tip crown, pencil curled brim, 21 ligne black silk band, turned leather sweat, inside satin tip.
A2240—4 in. crown, 2¼ in. brim. Each, **$2.00**

Sennit ... ... Crown—Genuine ... Jap ... Sennit ... Tip crown, ... 21 ligne black ... band ... leather sweat. ... in box.
A2235—4 in crown, 2¼ in brim. Each, **$2.75**



Genuine, Bangkok—Extra fine ... woven featherweight Bangkok ... popular alpine crown, ... curled brim, 21 ligne black silk ... band turned leather sweat. ... in box.
A2258—4 in crown, 2¼ in. brim. Each, **$3.25**



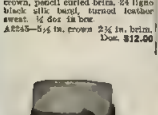
Genuine Bangkok—Extra fine ... on featherweight Bangkok boo ... staple telescope crown, ... curled brim, 21 ligne black silk band turned leather sweat. Specify size. 1 in box.
A2257—3½ in. crown, 2¼ in. brim. Each, **$3.25**

Nobby Ridge Crown—White satin braid, drop tip, 2½ in. brim black navy and brown bands. Wonderful value.
A2255—1 doz. in pkg.... Doz. **$2.**

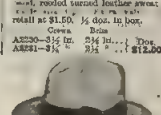
Snap Brim—Bleached Canton braid, 2¼ in. crown, 2¼ in. brim, black silk ribbon band and bow, leather sweat.
A2263—1 doz in box Doz **$2.40**

BOYS' NEGLIGEE STRAW HATS—Unusual Values

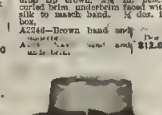
Sizes: 6⅝ to 7, assid.



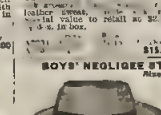
Sennit ... ... Crown—Genuine ... Jap ... Sennit ... Tip crown, ... 21 ligne black ... band ... leather sweat. ... in box.
A2235—4 in crown, 2¼ in brim. Each, **$2.75**



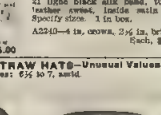
Genuine, Bangkok—Extra fine ... woven featherweight Bangkok ... popular alpine crown, ... curled brim, 21 ligne black silk ... band turned leather sweat. ... in box.
A2258—4 in crown, 2¼ in. brim. Each, **$3.25**



Genuine Bangkok—Extra fine ... on featherweight Bangkok boo ... staple telescope crown, ... curled brim, 21 ligne black silk band turned leather sweat. Specify size. 1 in box.
A2257—3½ in. crown, 2¼ in. brim. Each, **$3.25**



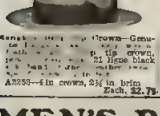
Nobby Ridge Crown—White satin braid, drop tip, 2½ in. brim black navy and brown bands. Wonderful value.
A2255—1 doz. in pkg.... Doz. **$2.**



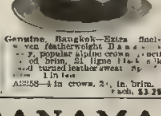
Snap Brim—Bleached Canton braid, 2¼ in. crown, 2¼ in. brim, black silk ribbon band and bow, leather sweat.
A2263—1 doz in box Doz **$2.40**

MEN'S PANAMAS

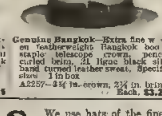
We use hats of the finest quality and weave, perfect in bleach and finish. All of this season's newest shapes and styles in South American and Jap panama bodies. Make sure of your panama hat sales and profits by buying here. All open stock, packed each in box. Sizes: 6⅛ to 7⅞. SPECIFY SIZES.



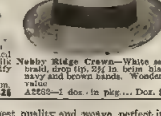
Drop Tip—Adamba Jap panama, 4 in. crown, 2½ in. pencil curl brim, 21 ligne black silk band and bow, leather sweat.
A2271—1 in box..... **Each. $1.00**



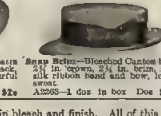
Alpine—Adamba Jap panama, 5 in. crossed alpine crown, 2½ in. pencil curl brim, 21 ligne black silk band and bow, leather sweat.
A2273—1 in box Each **$1 00**



Telescope—Genuine Toyo Jap panama, clear white bleach 3½ in. crown, 2¼ in. pliable brim, 17 ligne black silk band, turned leather sweat.
A2274—1 in box Each. **$1 90**



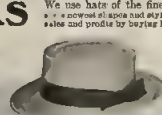
4 Dent Alpine—Genuine Toyo Jap panama, clear white bleach, new 4 dent alpine crown, 2¼ in. rope pencil curled brim, 17 ligne black silk band, turned leather sweat.
A2275—1 in box Each **$1 90**



4 Dent Alpine—Extra fine woven genuine Toyo Jap panama body, clear white bleach newest 4 dent alpine crown, 2¾ in. dip wired brim, 21 ligne black silk band, turned leather sweat.
A2279—1 in box... Each. **$2.50**

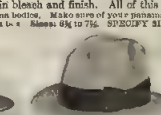
Popular Telescope—Extra finely woven Toyo Jap panama body, clear white bleach, 2¾ in. telescope crown, 2¼ in. pliable brim, 21 ligne black silk band, turned leather sweat.
A2276 ... Each. **$2.50**

Pocket Panama — Finely woven ... rolls finish ... and rolled to carry in pocket, 5¼ in. crown, 2¾ in. brim, 12 ligne black silk band, turned leather sweat.
A2278—1 in box Each **$2 50**

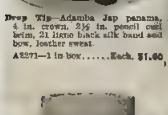


Ridge Telescope—Extra finely woven Toyo Jap panama clear white bleach, new young men's telescope block 3½ in. ridge crown, 2 pliable welt brim 21 ligne black silk band, turned leather sweat
A2281—1 in box..... Each **$2.50**

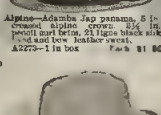
Alpine with Sash Band ... ...
... 2¾ in pliable brim, silk ... band, turned leather sweat. 1 in box
A2277—Tan sash band. Each
A2278—Hunter's green sash band **$2 75**



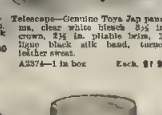
Telescope—Genuine South American Ecuadorian panama, popular telescope shape, 3¼ in. crown, 2½ in pliable brim 21 ligne black silk band, turned leather sweat.
A2283—1 in box... Each. **$3.75**



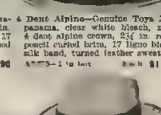
Alpine—Genuine South American Ecuadorian panama, finely woven clear white bleach, 5¼ in. crossed Alpine crown 2¼ in. pencil curl brim 21 ligne black silk band and bow leather sweat.
A2282—1 in box..... Each **$3.75**



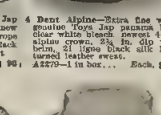
Alpine—Genuine South American Colombian panama, extra selected quality finely woven, 4 in. crossed Alpine crown 2¾ in. pliable brim 21 ligne black silk band, turned leather sweat.
A2287—1 in box Each. **$4.00**



Telescope—Genuine South American Colombian panama, extra selected quality, finely woven, 4 in. telescope crown, 2¾ in. dip wired brim 21 ligne black silk band, turned leather sweat.
A2288—1 in box Each. **$4.00**



Snap Brim—Finest South American Monte Cristo panama, selected quality, 4 in. crown 2¾ in. snap brim, 21 ligne black silk band, turned leather sweat
A2290—1 in box... Each. **$6.00**



... ... South American ... selected quality, 2¾ in. telescope crown, 2¾ in. snap brim, 21 ligne black silk band, turned leather sweat.
A2291—1 in box... Each **$6.50**

$1150 F. o. b. Racine
Mitchell Junior—40 h. p. Six
120-inch Wheelbase

Mitchell SIXES

$1460 F. o. b. Racine
7-Passenger—48 Horsepower
127-inch Wheelbase

Do Men Want Extras?

We are finding out in the Mitchell line the appeal of many extra attractions.

31 Extra Features
24% Added Luxury
100% Over-strength

At a cost of millions of dollars we are offering things which rival cars don't offer. Into these extra values we put all the savings made through our factory efficiency.

The evidence so far is that nothing else in years has appealed to so many people.

$1,000,000 to Tell

We are spending $1,000,000 in advertising this year to tell of these extra values. We spent $700,000 last year.

The increased demand has this year forced us to multiply our output two and one-half times over.

We urge all who are interested—as prospective dealers—to measure up the Mitchell prospects as they now appear.

One Thing Is Sure

Factory efficiency, as perfected here under John W. Bate, will be the big future factor.

Whether the saving shows in extras, or in lower price, men are going to demand it.

This model plant with its ideal equipment gives Mitchell a tremendous advantage. Our new body plant will this year increase it. And the added values which we show cannot be overlooked.

Our margins of safety—once 50 per cent—are now 100 per cent. We have added 24 per cent to the cost of finish and upholstery. We are spending $4,000,000 in distinctive Mitchell features. And these extras will soon be necessities.

The New $1150 Six

This year Mitchell Junior gives us two sizes in Sixes. Both of them, in size and power, excel others in their class. And the Junior's price — $1150 — will treble the Mitchell field.

In fine-car production Mitchell now stands very near the top. No car in this class offers a like opportunity in fields not occupied. If you are interested, let us prove these facts.

MITCHELL MOTORS COMPANY
INCORPORATED
Racine, Wis., U. S. A.

TWO SIZES

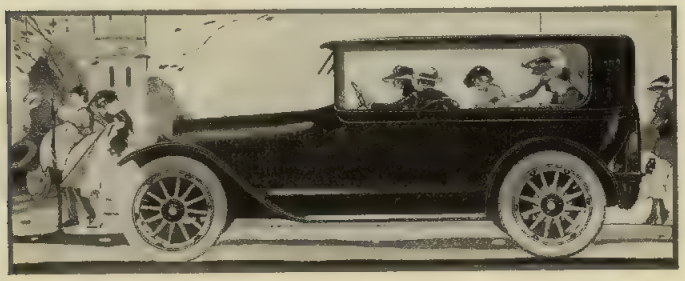
Mitchell—a roomy, 7-passenger Six, with 127-inch wheelbase. A high-speed, economical, 48-horsepower motor. Disappearing extra seats and 31 extra features included.

Price $1460, f.o.b. Racine

Mitchell Junior—a 5-passenger Six, on similar lines, with 120-inch wheelbase. A 40-horsepower motor—¼-inch smaller bore than larger Mitchell.

Price $1150, f.o.b. Racine

Also all styles of enclosed and convertible bodies. Also demountable tops.



The British Government

—for use in its Canadian war trucks

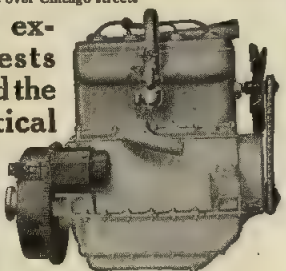
5th Ave. (N. Y. City) Bus Line

—to supplant its upwards of 1000 high-grade "poppet valve" motors

Chicago Motor Bus Co.

—which, starting April 1st, will operate 100 motor buses at regular intervals over Chicago streets

after severe exhaustive tests have adopted the same identical MOLINE-KNIGHT engine that is in EVERY



View of Intake Side, Model "G" 50 H. P. Moline-Knight Engine

MOLINE KNIGHT

50 H. P. (1917 Model "G" Pleasure Car) $1840

A war truck must have POWER to carry heavy loads over the worst sort of roads in the world. It must have ENDURANCE—for delays mean death. It must be ECONOMICAL—for gas and oil are precious.

A motor bus must make over 1000 stops and starts a day. It must PICK UP SPEED quickly, must throttle to low speeds, must have POWER at low speeds. It must be EASY ON FUEL—for it is run to make money.

Because the MOLINE-KNIGHT ENGINE most perfectly fulfills all of these requirements—as months of every conceivable kind of testing has proved—it has been SELECTED in preference to all other makes and types of engines.

The same identical engine is in all the 50 H. P. 1917 models "G"—the cars YOU will sell! Powerful proof for all the strong claims which you can make for the Moline-Knight!

Our proposition is the livest in the medium-priced car field today. Write!

MOLINE AUTOMOBILE CO., East Moline, Ill.

40 H. P.—Model "C"	F. O. B. Factory	*50 H. P.—Model "G"*	
5-Pass. Touring . . .	$1495	5 or 7-Pass. Touring .	$1840
4-Pass. Club Roadster .	1495	4-Pass. Club Roadster .	1840

MOSLER VESUVIUS PLUG

SEVENTEEN years' experience in spark plug manufacturing stand behind the "Vesuvius." It is built right and warrants the guarantee under which it is sold—

"Guaranteed to Outlast the Motor"

Dealers find sales on the "Vesuvius" easy —because

—it insures certain ignition
—its knife-edge electrodes give "a ribbon of flame"
—it develops all the power of the motor
—it is "guaranteed to outlast the motor"
—it is backed by constructive sales helps and display material for dealer use
—it makes satisfied customers

The Vesuvius Display Stand is furnished free with 36 plugs in any assortment you wish. It is a real attractive sales help for your store.

Send for booklet "Mosler on Spark Plugs" furnished free—and write for our price schedule and dealer proposition.

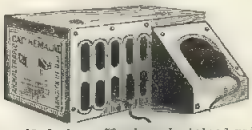
$1 Packed in individual cartons or in display cartons of 12.

A. R. MOSLER & CO.
New York, U. S. A.

A. R. Mosler & Co. New York U.S.A.

MOUSE AND RAT TRAPS

HOUSEHOLD MOUSE

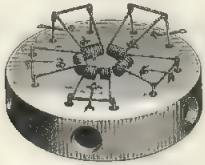


Self-setting; self-closing. Hardwood, stained red. Tin front trap entrance. Hinged lid.

	Wt. per doz.	Per doz
Household	5 ½ lbs.	**$3.40**

One dozen in a box.

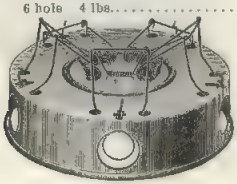
CHOKER MOUSE



WOOD—MOUSE

Wood trap made of seasoned hardwood. Tin trap made of stamped and seamless tin. Both have coppered wire springs.

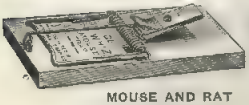
	Size	Wt. per doz.	Per doz.
Choker—Wood	4 hole	4 lbs.	**1.80**
	5 hole	4 lbs.	**1.90**
	6 hole	4 lbs.	**2.00**



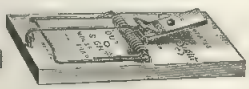
TIN—MOUSE

	Size	Wt. per doz.	Per doz
Choker—Tin	5 hole	2 lbs.	**$1.75**

OUT-O-SIGHT, GEE WHIZ AND HOLDFAST



MOUSE AND RAT



OUT-O-SIGHT

Selected wood base, coppered steel wire spring, wood trigger. Packed in individual cartons, with display stand.

		Wt. per doz.	Per doz.
Out-o-Sight	**Mouse**	1 ½ lbs.	**$1.25**
	Rat	5 lbs.	**2.50**

GEE WHIZ

Wood base; coppered steel wire spring. Wood trigger.

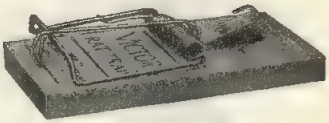
	Wt. per doz.	Per doz.
Gee Whiz Mouse	1 lb.	**$0.55**

HOLDFAST

Wood base; same general construction as Gee Whiz, but slightly lighter.

	Wt. per doz.	Per doz
Holdfast Mouse	1 lbs.	**.80.35**
Holdfast Rat	5 ½ lbs.	**1.40**

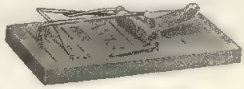
VICTOR



RAT

Wood base; improved construction. Shape of trigger makes it easy to bait, but practically impossible for rodents to get bait away without springing trap.

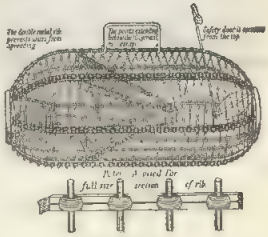
	Wt. per doz.	Per doz.
Victor Rat	5 lbs.	**$1.75**



MOUSE

	Wt. per doz.	Per doz.
Victor Mouse	1 lbs.	**$0.40**

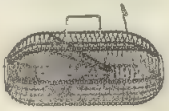
HOLD-EM


The double metal rib prevents mice from escaping
The points expanded between segment
Safety door opens from the top
Nine ribs
Actual size of rib

RAT

Wires secured by double metal rib, making escape by spreading wires impossible. Wires of mouse trap are close enough to hold the smallest mouse. Safety door, opening from top. Nine ribs.

No.		Length	Size wire	Wt. per doz.	Per doz
1	**Rat**	15 ½ in.	No. 17	24 lbs.	**$ 9.00**
3	**Rat**	19 in.	No. 16	38 lbs.	**12.00**



MOUSE

No.		Length	Size wire	Wt. per doz.	Per doz
10	**Mouse**	9 in.	No. 20	9 lbs.	**6.00**

Rat, one-half dozen; mouse, two dozen in a crate.

MOUSE AND RAT TRAPS

GRAVITY MOUSE TRAP

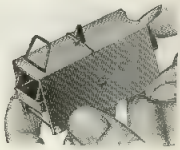
MOUSE

All steel, safe, simple, sanitary. Cannot pinch fingers while baiting or setting. Press handles and dead mouse drops out. Not necessary to touch with fingers.

	Wt. per doz.	Per doz.
Gravity Mouse	1 ½ lbs.	**$1.50**

One dozen in a box.

UP-TO-DATE



No. 1911

Double ender. Capacity two mice. Sets with one finger. Sanitary and durable.

No.		Wt. per doz.	Per doz.
1911	**Mouse**	1 lb.	**$0.80**

One dozen in a box.

OFFICIAL

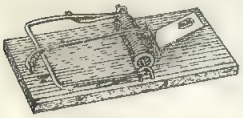
MOUSE

Hardwood; unusually heavy construction; superior quality in every respect. Adopted by the larger municipalities. Special feature is double action trigger, released either by upward nibble or downward pressure; positive in action.

		Wt. per doz.	Per doz.
Official	**Rat**	7 lbs.	**$2.00**
	Mouse	1 lbs.	.50

One dozen in a box

END-O-MICE

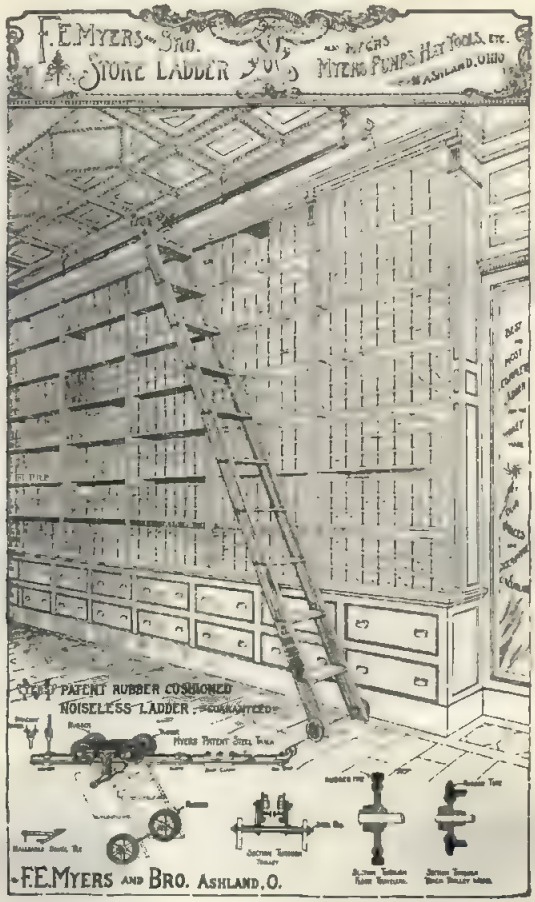


Ten cents for a package of ten traps. When a mouse is caught, throw away the mouse and the trap. Wood base. Absolutely clean and sanitary.

	Wt. per doz.	Per 100
End-O-Mice	¾ lbs.	**$1.00**

Packed ten traps in 10-cent retail package; 50 packages in a carton.

MYERS CUSHION TIRE STORE LADDERS



Ladder clear Georgia Pine, varnished. Sides 5 in., steps 5x12 in. wide. Steps supported at each end by a malleable iron dowel tee. Fixtures malleable iron; self adjusting trolley, fitted with 3 in. anti-rattler wheels, with rubber cushion tires and turned steel bearings. Floor wheels or travelers, 5 in. in diameter, have metal sides with rubber cushioned tires, securely clamped. Cannot work loose. Run on steel axle, frictionless and noiseless. Double angle steel track.

Factory shipment only (except rubber tires). In ordering, it is necessary to give the exact height of ceiling and length of each run of track. If height of ceiling varies, give height at each end and center of each run of track

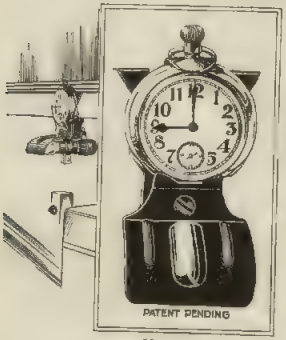
Ladder and trolley complete	Each	**$20.00**
Track, complete with hangers	Per foot	**.30**
Rubber Tires (for floor wheels or carriers)	Each	**1.00**

Prices f. o. b. factory.

The Neverout

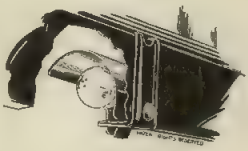
REG. U.S. PAT. OFF.

Latest Productions for FORD Cars



No. 202
Neverout Combination Dash Light and Illuminated Clock for Fords

This No. 202 illuminates the clock and entire dash, foot pedals, coil box, speedometer, etc. Securely attached by means of clamp on the angle iron beneath the windshield, as shown in illustration — no drilling. Current for this light is furnished from the Ford magneto; can be turned on or off at will. ***Write for complete description.***



No. 201
Neverout Dash Light for Fords

Fits in the cowl beneath the windshield; illuminates the entire dash, foot pedals, coil box, speedometer, etc. Will not shine in your eyes.

Current for this light is supplied from the Ford magneto, can be turned on or off at will.

Securely attached by means of clamp on the angle iron beneath the windshield — no drilling. *Write for full description.*

License Brackets for FORD Cars

No. 440

No. 97

No. 97—Front Tag Clips for any Ford. Stamped from heavy gauge steel. Black enameled. Packed one set in a box.

No. 440, shown on left—For attaching front number to car at bottom of front headlight bracket of Ford Cars. Stamped from heavy gauge steel. Black enameled.

Be sure and write for illustrations of our Bull Dog Grip Rod License Clamps. Fit rod between headlights on all cars.

Rose Mfg. Company, 911 Arch Street, Philadelphia, U. S. A.

Manufacturers of Neverout Patent License Brackets for All Makes of Cars

WRITE TODAY FOR LITERATURE AND PRICES

Newman Grille Model Watch-Clock

A Positive Check on Human Fallibility

Approved by the National Board of Fire Underwriters and by All Mutuals

First to receive the approval of the National Board of Fire Underwriters, due to its tamper and "fool-proof" qualities, rust-proof and non-corrosive keys, simplicity in design and the high quality of its movement.

THE POUCH—We are the only clock manufacturers who use the finest oiled harness leather, hand sewed to increase the life and durability of this part—in contrast to the machine-sewed split leather case ordinarily furnished. The metal grille which covers the opening for the time piece dial is one of our recent inventions and thoroughly protects the crystal against breakage.

THE MOVEMENT of the Newman Grille Clock is equal to that of a fine pocket watch, being jeweled and having thick-set plates and pillar posts to minimize damage in case of accident. The pinions and pivots are made of high carbon tool steel highly polished. Teeth on gear wheels are machine finished to an accuracy within one-thousandth of an inch. The escapement and pallet are mounted on a separate bridge with heavy balance cock. The hair spring is non-magnetic and non-corrosive. A center arbor is provided for winding purposes, and another at the side for setting. The clock should be wound daily although it runs 60 hours at one winding.

Paper dials are inserted after pulling off the cap from the center arbor, and are prevented from slipping by milled projections resembling gear teeth. These paper dials are usually arranged for 24 hours to provide a record for Sunday and Holiday registering, without anyone having to go to the plant on those days to change the dials. However, 12-hour dials may be had if desired.

THE KEYS are made from hardened phosphor bronze, which will not rust or corrode, and a metal guard on the flange protects the dial from damage should the keys be allowed to fall against masonry, iron pillars, etc. Each key when turned in the clock until it clicks embosses upon the paper dial a distinctive figure indicating the station number and the exact time at which it was visited.

PRICES include a complete outfit consisting of watch, pouch, carrying strap, station keys, boxes, chains, seals and one year's supply of paper dials.

6 Station Size	$199.65
9 Station Size	208.35
12 Station Size	217.00
16 Station Size	225.65
25 Station Size	295.15
35 Station Size	355.90

F. O. B. Chicago or New York—Buyer's Option

The above prices include the standard patrol box with lift cover, but for stations exposed to theft or malicious mischief we furnish the lock type without extra cost.

A Few Representative Users

Underwriters' Laboratories, Inc. . . . . Chicago
Underwriters' Building . . . . . New York
Insurance Exchange Building . . . . . Chicago
Coristine Building . . . . . Montreal
Continental Fire Insurance Building. . New York
Underwriters Salvage Co. Building. . . . . New York
Railway Exchange Building . . . . . Chicago
U. S. Naval Observatory . . . . . Washington
J. P. Morgan & Co. Bank Bldg. . . . . New York
Pennsylvania R. R. Co. (Largest user in America.)
New York Telephone Co.
(Largest user in New York City and State.)
Bank of England . . . . . London

The Chicago Portable Watchman's Clock

Approved by the National Board of Underwriters

1916 Model

Leather Case or Pouch, showing Self-Adjusting Protection Plate Shifted to give View of Time-Piece Dial

With Special Waltham Movement manufactured exclusively for this clock

Used for Either Indoor or Outdoor Patrol and Wherever Watchmen or Patrolmen may be employed.

Movement Showing Dial Carrier Spindle

When Clock is Closed for Use the Case Lock Covers Winding-stem Pendant.
IMPOSSIBLE TO TAMPER WITH IT

Clock with Case Opened, Showing Dial in Place and Partial Registration

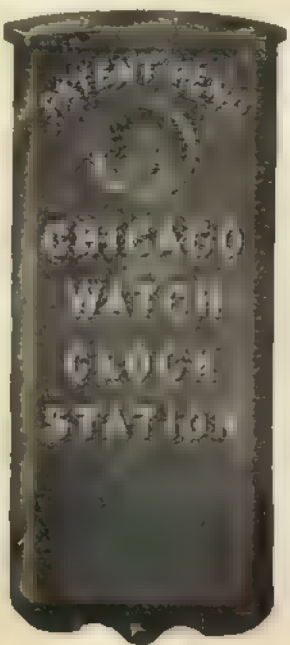
These clocks are made up with registering mechanism for 16 or more stations, and are sold with any number of stations from six up. If at first a system of six to eight stations would be adequate and later it should be necessary to extend the service, the additional stations then required can be supplied promptly and without interruption to the established service.

PRICE BASIS

6 Station, complete, with one year's dials	**$158.35**
Additional stations	**4.55**
Extra dials, per box of 375	**5.00**

The "Service and Quality" clock. Durable in the highest degree. Case of aluminum alloy, light, strong and non-corrosive. Movement of the best Waltham production, nickel composition movement plates, 15 jewels, 8-day stem wind and set, with Breguet hairspring (the coils of which **cannot** catch in the regulator pins, if the clock is jarred) and compensating balance housed in an inner container case, proof against dust, dampness and jarring. Keys of hardened bronze, nickeled. Station boxes close with spring lock, preventing theft or mishandling of keys. Operation of key registers an embossed figure on dial record.

Station box open, showing key and chain



Lock Station Box—Closed

The Only Clock That Assures the Same Perfect Record after Twenty Years of Use as When New

Sent on approval, if desired

Watchman's Clock—Single Station

Size 14 x 14 inches, 12 inch-Dial, 8-Day Lever Movement.
1 Year's Supply of Dials With Clock.

For mechanical registration..... **$36.65**

For electric battery registration, as used for outside watchmen.... **46.65**

This clock for electric battery service can be set up from 50 ft. to 100 ft. distant from the station.

THE NEW HAVEN CLOCK COMPANY

CLOCK MAKERS SINCE 1817

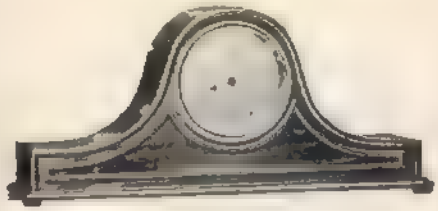
GENUINE MAHOGANY EIGHT DAY CLOCKS

TUXFORD $55.60
Height 10½ in. Width 6 in. Dial 3 in.
Movement, Rack and Snail. Half Hour Strike

WILLIS No. 2
Enamel Dial $18.65, Silver Dial $20.10
Height 14 in. Width 5 in.
Movement, Lever 8 Day Time

[illegible] A $62.10
Height 13 in. Width 9 in. Dial 7 in.
Movement, Rack and Snail. Half Hour Strike

QUAYLE
Porcelain Dial $15.65, Silver Dial $20.10
Height 8½ in. Width 12 in. Dial 3½ in.
Movement, Lever 8 Day Time



JACOBEAN No. 55
Porcelain Dial $25.45, Silver Dial $26.65
Height 8½ in. Width 13 in. Dial 3½ in.
Movement, Lever 8 Day Time

TAMBOUR No. 3 $26.65
Height 12 in. Width 25½ in. Dial Silver 7 in.
Movement, Rack and Snail. Half Hour Strike

TAMBOUR No. 6
Porcelain Dial $69.35. Silver Dial $70.85
Height 21½ in. Width 24 in. Dial 7 in.
Movement, Rack and Snail. Half Hour Strike

QUINBY
Porcelain Dial $23.00. Silver Dial $24.25
Height 7 in. Width 13½ in. Dial 3½ in.
Movement, Lever 8 Day Time

OVAL No. 53 $17.35
Height 6¾ in. Width 12 in. Dial 3½ in.
Movement, Lever 8 Day Time

TAMBOUR No. 2
Porcelain Dial $83.35. Silver Dial $85.85
Height 12½ in. Width 24 in. Dial 7 in.
Movement, Rack and Snail. Half Hour Strike

TAMBOUR No. 4
Porcelain Dial $71.65. Silver Dial $73.50
Height 10½ in. Width 21½ in. Dial 6 in.
Movement, Rack and Snail. Half Hour Strike

WAGER $25.45
Height 6 in. Width 5¾ in. Dial 3½ in.
Movement, Lever 8 Day Strike

OVAL No. 52 $19.35
Height 6½ in. Width 7½ in. Dial 3½ in.
Movement, Lever 8 Day Time

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

THE NEW HAVEN CLOCK COMPANY

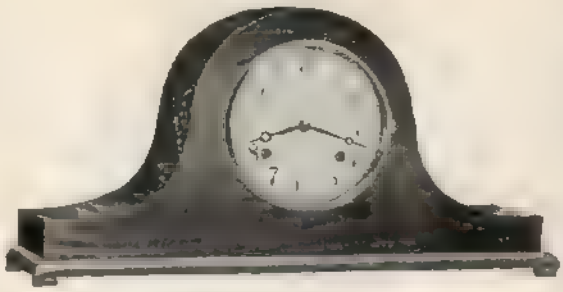
NEW DESIGNS IN MAHOGANY FINISHED CLOCKS

GREEN $8.50
Height 6 in. Width [illegible] in. Dial 4½ in.
Movement, One Day Intermittent Alarm.
Alarm or Silent Switch

TAMBOUR No. 13 $30.45
Height 10 in. Width 22 in. Dial 6 in. Bowed Glass
Movement, 8 Day Half Hour Strike, Cathedral Gong

AUSTRO $16.45
Height 9½ in. Width 8½ in. Dial 6 in.
Bowed Glass Movement, 8 Day Half Hour Strike, Cathedral Gong

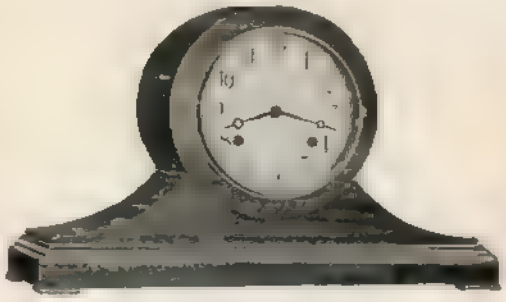
GARCIA $8.50
Height [illegible] in. Width 13 in. Dial 4½ in.
Movement, One Day Intermittent Alarm.
Alarm or Silent Switch



TAMBOUR No. 16 $21.65
Height 9 in. Width 18½ in. Dial 6 in. Bowed Glass
Movement, 8 Day Hour Strike, Cathedral Gong

AUSTELL $17.65
Height 10½ in. Width 8½ in. Dial 6 in.
Bowed Glass Movement, 8 Day Half Hour Strike, Cathedral Gong

GARELAND $8.50
Height 6½ in. Width 17½ in. Dial 4½ in.
Movement, One Day Intermittent Alarm.
Alarm or Silent Switch



TAMBOUR No. 17 $21.65
Height [illegible] in. Width 15½ in. Dial 6 in. Bowed Glass
Movement, 8 Day Half Hour Strike, Cathedral Gong

AUSTIS $16.95
Height 10½ in. Width 8½ in. Dial 6 in.
Bowed Glass Movement, 8 Day Half Hour Strike Cathedral Gong

AUTHOR $21.65
Height 9½ in. Width 14½ in. Dial 6 in.
Bowed Glass. Movement 8 Day Half Hour Strike, Cathedral Gong

AUSPREY $21.65
Height 8 in. Width [illegible] in. Dial 6 in. Bowed Glass
Movement, 8 Day Half Hour Strike, Cathedral Gong

AUSTON $16.95
Height 10½ in. Width 8½ in. Dial 6 in.
Bowed Glass. Movement, 8 Day Half Hour Strike, Cathedral Gong

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

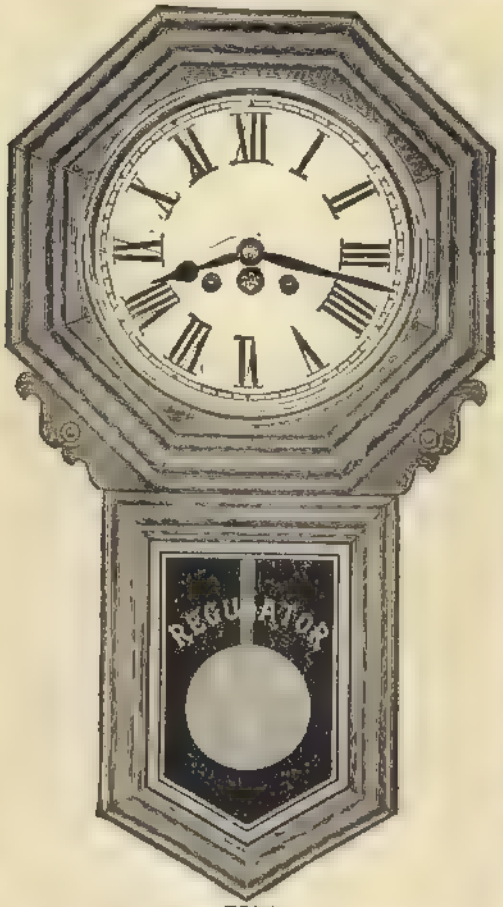
Above Cabinet Clock packed six in a box. For single boxing add .45c each extra list.

Store and Office Clocks

Made by the New Haven Clock Co. PRICES EACH

No. 3043 SPECIAL—$19.85

Height 36½ inches, width 13½ inches. 12-inch Arabic dial. Mahogany finish case. 8-day time only.



ERIE

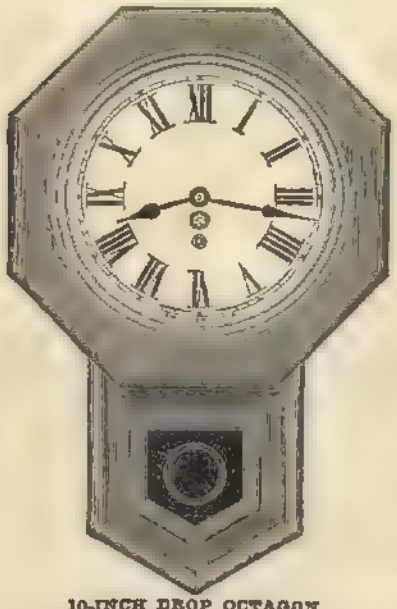
Height 33½ inches, width 13½ inches. Dial 12 inches. Case solid oak, antique finish

8-day time	$13.75
8-day, strike, cathedral gong	16.25
8-day time, calendar	14.50
8-day, strike, calendar	17.00

REFEREE

Oak. Height 35½ inches, width 16 inches. Dial 12 inches.

8-day time	$14.55
8-day, strike, cathedral gong	17.10
8-day time, calendar	15.35
8-day, strike, calendar	17.85



10-INCH DROP OCTAGON

Height 21 inches. Dial 10 inches. Polished, solid oak.

8-day time	$12.10
8-day, strike	13.75
8-day time, calendar	12.85
8-day, strike, calendar	14.50

12-INCH DROP OCTAGON

Height 24 inches. Dial 12 inches. Polished veneered rosewood, zebra or solid oak.

8-day time	$13.35
8-day, strike	15.00
8-day time, calendar	14.10
8-day, strike, calendar	15.75

10-INCH BRANFORD

Oak. Height 22½ inches. Dial 10 inches.

8-day time	$12.10
8-day, strike	13.75
8-day time, calendar	12.85
8-day, strike, calendar	14.50

12-INCH BRANFORD

Oak. Height 27½ inches. Dial 12 inches.

8-day time	$13.10
8-day strike	14.75
8-day time, calendar	13.85
8-day, strike, calendar	15.50

SAXON

Rose or Mosaic veneer. Height 18¾ inches, width 11⅞ inches. 8-inch dial

8-day time	$13.10
8-day, strike	14.75
8-day, strike, calendar	13.85

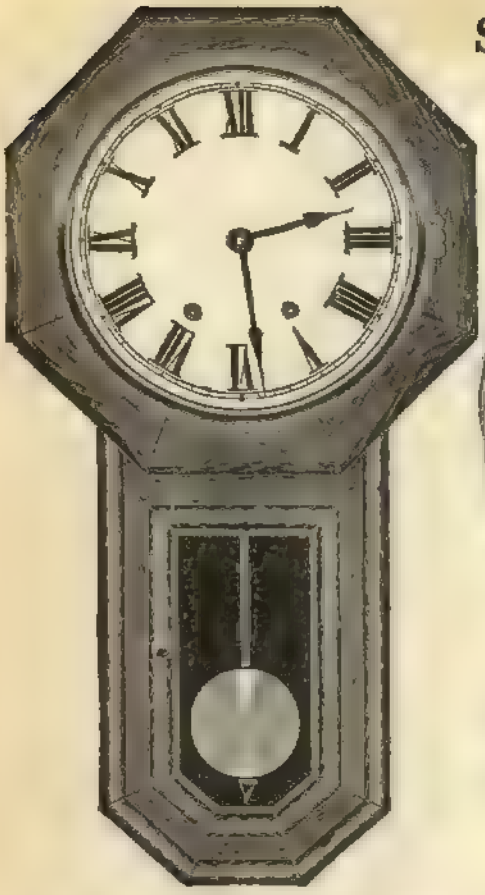
10-inch dial

8-day time	$13.75
8-day, strike	15.45
8-day, strike, calendar	14.50

Store and Office Clocks

Made by the Seth Thomas Clock Co.

Prices Each



GLOBE

New model, mahogany or old oak veneer polished. 12-inch dial. Height 22 inches.

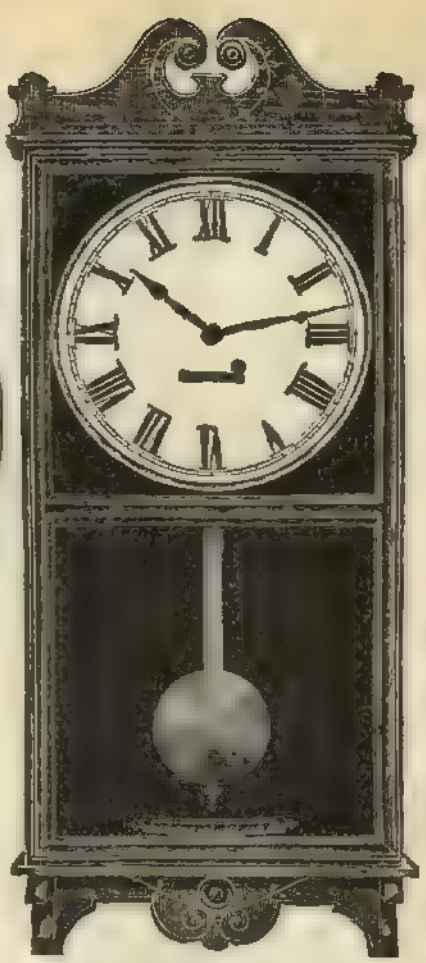
8-day time, list $23.35
8-day, strike, list 25.00

CHATHAM

Mahogany or old oak. The large, plain numerals and hands make this a very desirable clock.

12-inch dial. Diameter 16 inches.

8-day time $15.85
8-day, strike 17.50



OFFICE No. 6

Mahogany finish and old oak. 12-inch dial. Height 36 inches.

8-day time, list $20.00
8-day, strike, list 21.65

Top can be taken off if a plainer case is desired.

12-INCH DROP OCTAGON

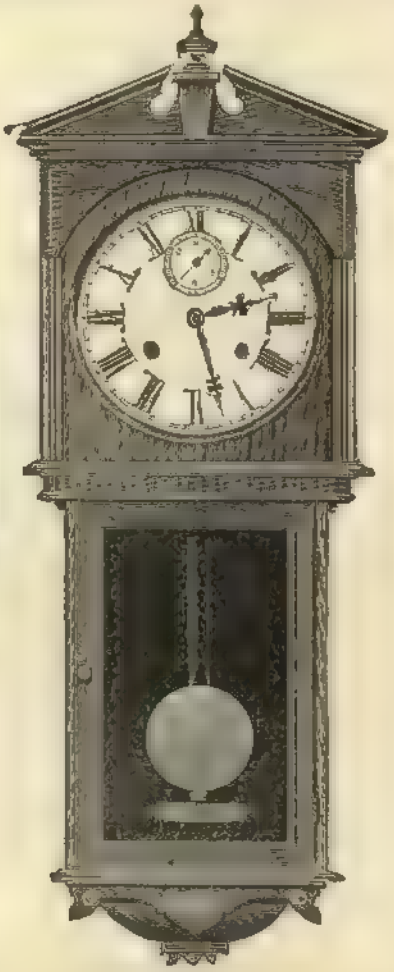
Mahogany veneer or old oak, polished. Height 23½ inches.

8-day time $15.85
8-day, strike 17.50

DROP OCTAGON CALENDAR

Mahogany veneer and old oak, polished. 12-inch dial. Height 23½ inches.

8-day time $16.65
8-day, strike 18.35



UMBRIA

An excellent timepiece. Made in mahogany and old oak. Thirty-day time. Large double spring movement with Graham dead-beat escapement. Eight-day. Spring strike. Cathedral bell. 10-inch dial. Height 40½ inches.

30-day time $42.50
30-day, strike 44.15

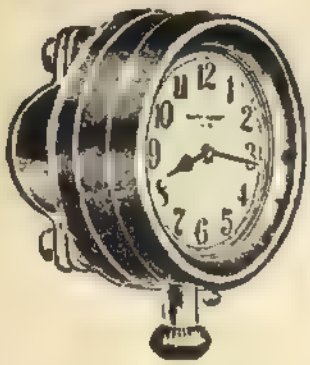
8-INCH DROP OCTAGON

Mahogany finish or old oak. Height 27 inches.

8-day time $12.50
8-day, strike 14.15

Automobile and Motor Cycle Clocks

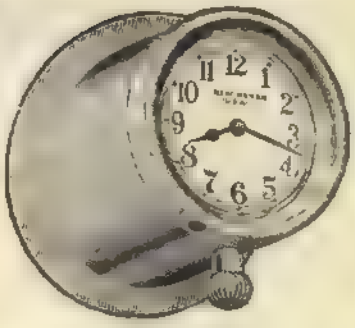
Prices Each



FIAT MOTOR CYCLE CLOCK
$5.35

Polished brass, nickel or brass, ... day ... Height, 2¾ inches; width 2¾ inches ... bracket with device for locking to handle bar of bicycle or motor car.

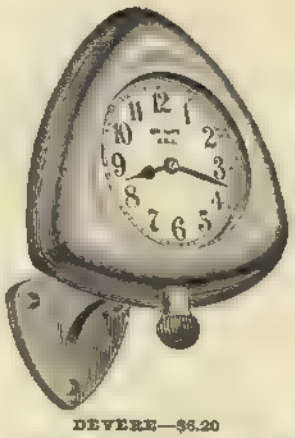
New Haven



DUANE—$5.35

Polished brass, nickel or black metal finish one-day time clock in screwed to fashion ... Height 2¾ inches; width 2¾ inches; dial 1¾ inches. Heavy brass case with offset fittings ... watch.

New Haven



DEVERE—$6.20

Finish polished brass, nickel or black enamel ... Height ... inches, width ... inches; dial ... inches, case, heavy brass, with offset, holding a complete watch

New Haven.

FLORIDA—$15.45

Polished brass or nickel or gunmetal finish ... Eight-day ... with porcelain ... dial, bevel glass. Measures across ... Height 4 inches. Winds, regulates and sets from outside.

Waterbury.

ROADSTER—$14.55

Polished brass, nickel or black enamel. Fine quick beat ... Eight-day ... with ... Height, ... inches; width ... inches; ... inch silver dial. Specially constructed to withstand jars. Dust and waterproof.

New Haven

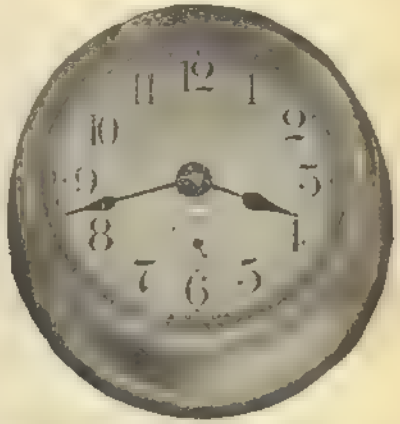
OCALA—$17.55

Polished brass or nickel or gunmetal finish ... Eight-day ... movement ... inch porcelain or silver dial, bevel glass screw bezel. Measures across the back 3-3/16 inches. Practically dust and water tight.

ARCADIA—$22.00

Bezel wind

Waterbury.



No. 2. AUTOMOBILE—$13.65

Finishes in brass, nickel or ... Eight-day time ... White or Roman porcelain dial, 2½ inches. White beveled glass. Width of clock, 3⅝ inches. The fastening, regulating, setting and winding are invisible

Ansonia

COWL—$15.05

Eight-day automobile clocks. Cases, of brass, finished polished brass, nickel or black enamel ... deep, 3¼ inches, width, 3½ inches and 2¼ inches. Is attached to cowl-board with three screws. Projects only ⅝-inch from board.

New Haven.

NEW ORMOND—$14.55

Eight-day, with offset. Diameter, 4 inches, dial, 3 inches wide. Designed for motor car and motor boat use. Has a heavy polished cast brass offset case and is dust and waterproof. The dial, which is 3 inches in diameter, is of porcelain with black Arabic figures.

New Haven.

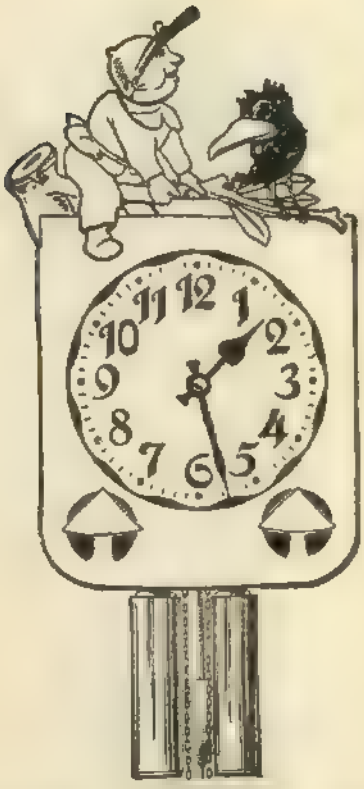
No. 5. SHIP'S BELL—$56.00

Eight-day strike gong, jeweled movement, 4½-inch porcelain dial. Hinged bezel. Polished brass case. Height, 8 inches; width, 7½ inches.

Waterbury.

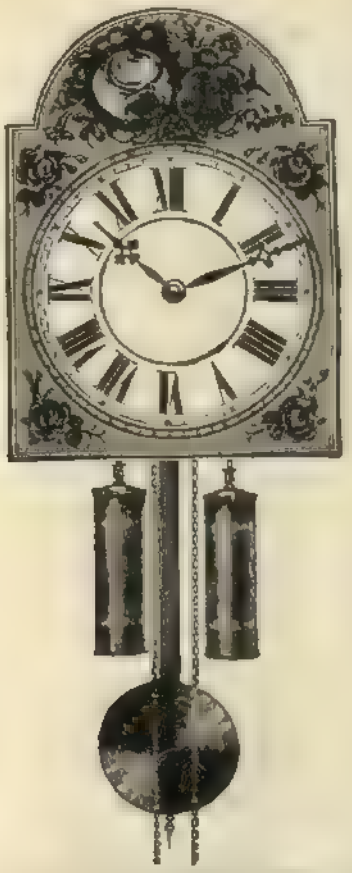
Attractive Show Window Display Clocks

Prices Each



HANS HUCKEBEIN

No. 821 ..... $15.00
Height 15 inches. Width 9 inches.
One-day, half-hour strike
Brass weights. Automatic moving figures. White wood enameled dial.

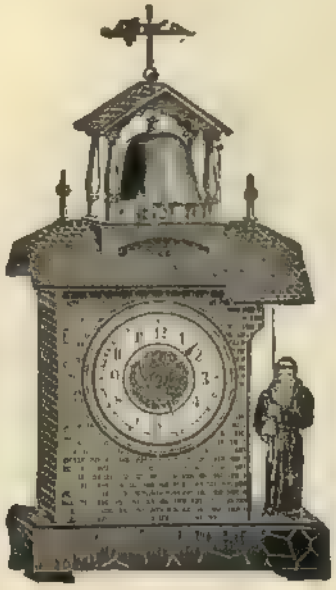


OLD STYLE BLACK FOREST WEIGHT CLOCK

No. 43 ..... $24.65
Eight-day half-hour strike
12-inch dia. 40-inch brass pendulum.
Two iron weights.

ACROBAT

No. 7418 ..... $20.15
Oak Case
Height 14½ inches.
The acrobat performs various stunts in very lifelike manner.
One of the best window attractions ever made.
Clock movement, twenty-four hour time.
Acrobat runs three hours with one winding.



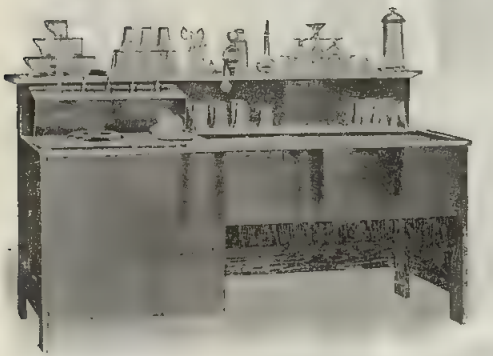
KAPUZINER

No. 1568 ..... $18.15
Walnut Case
Height 18 inches.
Ivory finished dial with gilt center, 3 inches.
One-day time and alarm.
The bell is rung by the monk to sound the alarm.

SODA FOUNTAINS AND SUPPLIES

1917 Models with the new sanitary, labor and time saving improvements. They represent good honest construction, reliable quality and expert experience in construction. Our low prices are made possible by the large quantities bought for our five distributing houses. A fountain in your store will pay for itself many times over in one season. **Prompt shipment.** Send for our special Fountain and Supply Catalogue

New "Missouri" 6½ FT. GUARANTEED ICELESS SANITARY SODA FOUNTAINS New "Illinois"



Showing back view of new "Illinois"—also shows new "Missouri" with pumps instead of bottles.

By selling through "Our Drummer" instead of the usual costly roundabout way we are able to offer you these 6½ ft. iceless fountains at prices that would otherwise cost you much more. No mechanic or expert is required to set up and operate these fountains. Golden oak finishes. Prepare for the Summer season NOW

COUNTER—6 ft. 6 in. long, 2 ft. 6 in. wide, 42 in. high. Panel design, made of kiln dried oak with solid and three ply veneered panels in front and end, finished in dark golden oak.

WHITE MARBLE SLAB—6 ft. 6 in. long, 8 in. wide and ¾ in. thick. Crated separately.

INTERIOR—Made of cypress, the best wood for this purpose. Finished in golden oak as the outside of fountain.

EQUIPMENT—2 porcelain crushed fruit jars with sanitary glass covers. 1 silver plated double stream draft arm with onyx ball handle, latest model which leaves the entire counter clear, 1 soda cooler, block tin lined, 24½x16 in. with air vent and connection pipes to draft arm and soda tank, 42 in. leader pipe to tank.

DRAIN BOARD—Best zinc, corrugated by hand. Galvanized iron sink 18 in. x 28 in., with inlet, outlet and overflow connections.

INSULATION—The highest quality of pure nonpareil cork board 3 in. thick, most efficient insulation manufactured and the same as that used on the most expensive of soda fountains. Heavy galvanized iron lining, double seamed and soldered at all the joints.

COMPARTMENTS—2 compartments, 1 for a 5 gal. ice cream packer, the other for the soda water cooler with space for storage purposes and 2 glass crushed fruit containers.

The New 6 Bottle "Missouri"—Golden oak finish, complete with 6 syrup reflex bottles labeled and nickel plated caps. Built for that part of our trade preferring the least expensive bottle system. Constructed on the same lines and possesses all the efficient and sanitary features of our "Illinois."

C6002—Crated, about 450 lbs. Each, **$95.00**

The New 5 Pump "Illinois"—Golden oak finish. Complete with 5 silver plated syrup pumps and other labor saving devices. Note the sanitary design. It allows no impurities to collect. An up-to-date fountain at a price within your reach.

C6009—Crated, about 500 lbs. Each, **$120.00**

ACCESSORY SODA FOUNTAIN OUTFIT

First of the assortment is illustrated on fountain above.

For those customers wishing to obtain accessories necessary to operate a fountain we recommend the following list

C6043—Contains everything necessary (except drum of gas) and nothing unnecessary. With this outfit in connection with any one of our fountains one is able to serve soda 1 hour after arrival of shipment

1 only 10 gal. Soda Tank
1 " Charging Outfit (gauge, regulator hose, wrench, rocker wall bracket, washers and connections).
6 gal Concentrated Syrup (chocolate, vanilla, strawberry, lemon, pineapple and orange).
2 only ½ gal. Jar Crushed fruit (pineapple and strawberry)
1 pt. Phosphate Acid
1 doz. 5 in Spoons.
1 " 8 in. Spoons.
½ " Silver Plated Soda Holders.
1 doz. 8 oz. Ball Tumblers.
1 " 12 oz. Ball Tumblers.
1 " Footed Sherbets.
2 only Crushed Fruit Bowls.
1 " Spoon Holder.
1 " Straw Jar
1 box Straws.
1 only Hospital Bottle.
1 " Lemon Extractor
1 " Ice Cream Dishes, State size desired
24 " Crushed Fruit Ladles.

Complete outfit as above, **$48.00**

NOTE: Drum of gas can be obtained from dealers in almost every town of 3000 or more in the United States.

STEEL SODA TANK

Very best drawn steel.

C6020—5 gal. tank, top 9 in. diam., bottom 14 in., height 26 in., very best drawn steel, standard gauge, 11 lb. pure block tin lining. Tested to 300 lbs. hydraulic pressure. Complete with top. Each, **$19.50**

CHARGING OUTFIT

No drum of gas or soda tank included with this outfit.

C6021—Charging outfit, complete with wooden rocker consists of heavy brass regulation gauge, hose, tank clamp, wall clamp, wrench, extra washers and connections, 1 rocker. 25 lbs. Each, **$9.50**

6½ FT. BACK BAR—GOLDEN OAK FINISH

Showing C6004 and front of C6000 and C6001 to match

Matches "Missouri" and "Illinois" Fountains

A well-made but inexpensive back bar built especially for our "Illinois" and "Missouri" Soda Fountains. Adds much to the attractiveness of the fountain and aids in service.

C6004—Length 6½ ft., ht. 7½ ft., base 1 ft. 2 in. ht. of base 1 ft. 6 in., plate glass mirror 32x36 in. Made of kiln dried oak, finished in dark golden oak. The superstructure has four massive columns, giving a very substantial effect. Paneled front and overlapping paneled doors with brass hinges and latch. The cupboard base may be used for storage purposes. It offers every convenience for service. It is a most attractive addition to any fountain of this size. Shipped complete ready to install. Crated, about 250 lbs. Each, **$48.00**

"NEW YORK" SODA DISPENSER

A practical soda fountain which will draw as cold and as good soda water as the highest priced outfits on the market.

C6005—"New York" Enameled Dispenser. Length 31 in., width 11, ht. 14¼. Pan in which dispense sets is 28x19 in. The entire outfit made of galvanized iron and lined with galvanized iron inside, insulated with 1 in. of sheet cork on bottom all four sides and removable top. Box equipped with 2 porcelain enameled syrup jars of 5 pint capacity each, 6 white metal quick opening faucets, 20 in. block tin cooler, 3 ft. block tin leader pipe with clamp connections, 1 silver plated clear counter double stream draft arm, connected to cooler. Syrup faucets will not corrode or contaminate the syrup. All drainage from dispenser runs into pan and from pan to waste outlet. Leader pipes and waste connections so arranged that it is not necessary to cut hole through counter to connect. 8x30 in. drip plate under faucet. White waterproof enameled finish. Soda and syrups always cold. Crated, 110 lbs. Complete ready to operate. Each, **$45.00**

ASH DUMPS

Cast Iron

No.	1
Size Outside, Inches	7×9
Per Dozen	$4 50

CLARK'S COAL CHUTE

Clark's Coal Chute

Size of Opening	Standard Size—8 to 10 Inch Wall
18×16	$10 00
23×16	11 50
23×18	13 00
28×20	17 00
32×26	24 00

DUMB WAITER FIXTURES

New York Safety

Lifts easily 50 to 75 pounds, made in one size only and will fit any size opening under 24 inches square, can be set up by any mechanic. Diagrams for erecting and samples of rope accompany each set.

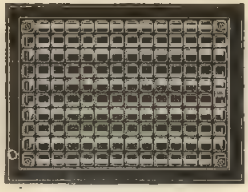
New York Dumb Waiter Fixtures, set consists of pulleys and standards (rope, weight or car are not included) ... Per Set $20 00

ASH PIT DOORS

Cast Iron

No.	8	10
Size, Inches	8×10	10×12
Per Dozen	$12 00	14 25

REGISTERS AND REGISTER PLATES



Nos. 200J to 250W

REGISTERS

No. 200J Japanned Black

Size, Inches	6×8	8×10	10×12	10×14	12×14
Each	$1 55	1 65	2 40	3 15	4 35

REGISTER PLATES

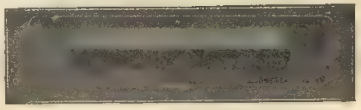
No. 250J Japanned Black

Size, Inches	6×8	8×10	10×12	10×14	12×14
Each	$1 00	1 10	1 70	2 20	2 80

No. 250W—Japanned White

Size, Inches	6×8	8×10	10×12	10×14	12×14
Each	$1 30	1 45	2 20	2 85	3 65

ERIE SASH VENTILATOR



No. 1. 2×9 Inches, dull brass ... Each $2 50

Non-Magnetic Movements

That are Positive Proof Against Magnetism, Electricity, Heat, Cold, Moisture and Altitude; Will Outwear All Others. Guaranteed Good Timekeepers

Paillard Watches are of the newest models, contain the latest improvements and possess all the merits of other makes, with the additional advantage of being non-magnetic and non-oxidizable.

The rapid introduction of electric railways, the proximity of telegraph wires and telephones and the rapidly extending use of electric appliances make the non-magnetic watch a necessity to anyone who desires an accurate, satisfactory and reliable watch.

NEW 16-SIZE, 21 JEWELS, ADJUSTED TO FIVE POSITIONS

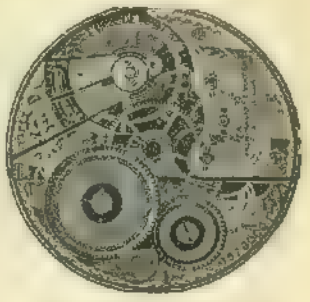
No. 1622 Open face, lever set..... $110.00
No. 1623 Hunting, lever set..... 110.00

Nickel, 21 ruby and sapphire jewels gold jewel settings, double roller escapement steel escape wheel; exposed sapphire pallet stones; pallet arbor cone-pivoted and cap-jeweled; **Paillard Patent Palladium Non-Magnetic compensating balance and Breguet Hairspring, adjusted to temperature, isochronism, and five positions;** micrometric regulator safety barrel, patent recoiling click and self-locking setting device; dust ring; double sunk glass enamel dial, engraving inlaid with gold, plates richly damaskeened and finely finished.

NEW 16-SIZE, 17 JEWELS, ADJUSTED TO THREE POSITIONS

No. 1624 Hunting pendant set.....$66.67
No. 1625 Open face, pendant set..... 66.67

Nickel, 17 jewels (settings). Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensating balance and Breguet Hairspring.** Micrometric regulator **Adjusted to temperature, isochronism, three positions.** Exposed winding wheels. Patent recoiling click and self-locking setting device. Dust ring. Double sunk glass enamel dial. Plates damaskeened. Engraving inlaid with gold.



NEW 16-SIZE, 17 JEWELS

No. 1626 Hunting, pendant set.....$55.00
No. 1627 Open face, pendant set..... 55.00

Nickel, 17 jewels (setting). Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensating Balance and Breguet Hairspring,** with micrometric regulator. Exposed winding wheels. Patent recoiling click and self-locking device. Depressed center sunk second dial. Dust ring. Damaskeened plates.

On this page we quote prices of Movements only. To determine cost of complete Watch, select case in corresponding size from pages preceding movement pages and add the cost of same to cost of movements.

NEW 18-SIZE 17-JEWEL, ADJUSTED

No. 1628 Open face, pendant set.....$54.17

Nickel, seventeen jewels (settings). Ruby and sapphire balance and center jewels. Exposed pallet stones.

Paillard Patent Palladium Non-Magnetic Compensation Balance and Breguet Hairspring, with micrometric regulator. Adjusted to temperature; dust ring, depressed center sunk dial, plates damaskeened.

Paillard Watches are guaranteed good timekeepers. Equal to any other make on the market. (Grade for grade.)

Your attention is called to the following testimonials

Elihu Thomson, Electrician, Thomas-Houston Electrical Company:

"I have for several months past tested one of your Non-Magnetic Watches, carefully rating it with a fine marine chronometer. The watch has been frequently exposed to the field of some of the most powerful magnets made, and I find no change produced in its rating thereby.

J. L. Morris, Prof. Mechanics, Cornell University.

"The Watch Movement sent me to be tested as to its being non-magnetic, proves to be entirely so. I ascertained its rate before testing it, and now, after twenty-one (21) days trial, I can detect no variation. It is an excellent time-piece."

Non-Magnetic Watch Co.

Gentlemen.—I have examined one of your watches, and am very much pleased with its construction and capabilities. It is thoroughly non-magnetic, and will prove of great value to any one working in places where they are subject to magnetic influences (and who of us are not in this age).

Paillard's invention is certainly one of the best that has been applied to watches in many a year.

Yours truly
J. J. FREEMAN, Jeweler,
Toledo, Ohio.

NEW 18-SIZE, 17-JEWEL, ADJUSTED

No. 1629 Hunting, lever set..... .$54.17

Nickel, seventeen jewels (setting) Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensation Balance and Breguet Hairspring,** with micrometric regulator Adjusted to temperature. Dust ring. Depressed center sunk second dial. Plates damaskeened.

NEW 18-SIZE, 17 JEWELS

No. 1630 Hunting, lever set. .. $46.67
No. 1631 Open face, pendant set ... 46.67

Nickel, seventeen jewels (settings) Ruby and sapphire balance and center jewels. Exposed pallet stones. **Paillard Patent Palladium Non-Magnetic compensation Balance and Breguet Hairspring,** with micrometric regulator. Dust ring. Depressed center sunk second dial. Plates damaskeened

18-SIZE, FULL PLATE, LEVER SET

Nickel, 15 jewels (settings). **Paillard Patent Palladium Non-Magnetic compensating Balance and Breguet Hairspring.** Four timing screws, patent micrometric screw regulator, double sunk dial handsomely damaskeened.

No. 1632 Grade **L** 15 jewels, Hunting only $32.50
Nickel, 11 jewel movements, sunk second dial.
No. 1633 Grade **L** 11 jewels Hunting or open face $25.83

Paillard 16 and 18 Size Movements Fit All Present Model Cases.

In this age of the universal use of electricity, Paillard Watches are in demand—the only watch which is in fact ABSOLUTELY UNINFLUENCED by magnetism.

There is no substitute, as shown by all tests, official, scientific and practical. They possess advantages over all others. If you want a watch that can be depended upon for fine time under all conditions, ORDER THE PAILLARD.

G.W. HUNTLEY & CO. CHICAGO

American Low Price S. W. Watches

1863 1917

BOYPROOF watches are packed twelve in a striking display box. Can be displayed to best advantage in your window or on your counter.

THE BOYPROOF WATCH

16-size, highly nickel plated, snap back and bezel case; watch has a double back cover which conceals the movement entirely and renders it dustproof as well as boyproof. Movement has a double roller escapement, a balance and a lever, removable, independent of the rest of the movement. Guaranteed by the makers.

No. 1585 In dozen lots (12). Price, each.....$2.40
In 3-dozen lots. Price, each..... 2.34
In 6-dozen lots. Price, each..... 2.23
Guaranteed by Western Clock Mfg. Co.

Patent Pending.

THE PATHFINDER WATCH

No. 1587 Price, each.....$2.53
In lots of 3 dozen Price, each..... 2.47

14-size thin model. German silver nickel plated case, open face. Arabic dial with red numerals and outer margin, "pull-out" stem set, and is guaranteed a first class time-keeper.

The unique location of the compass in a recess formed in the top of the watch crystal enables one to read the time of day without changing the case or distorting the appearance of the watch, to accurately locate the compass and at the same time the compass is far enough removed from the steel parts of the movement to prevent its being deflected thereby.

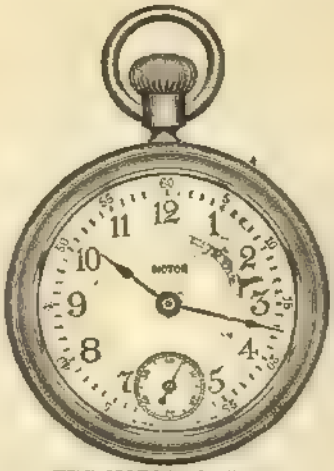
The "PATHFINDER" meets a universal need and as no extra charge is made for the compass attachment it is the best watch ever offered and consequently one of the readiest selling articles ever introduced.
Guaranteed by E. Ingraham Clock Co.

THE LADY CLARE

A small sized watch for ladies or boys that is both practical and reliable.

6-size, stem wind and stem set. White Arabic dial. Heavy beveled crystal.

No. 1589 Price, nickel finish, dozen lots, each.....$5.50
Price, nickel finish, 50 lots, each..... 5.34
Gilt or gun metal finish, each, extra..... .17
Furnished regularly with plain backs and bezels.
No extra charge for fancy backs and bezels.



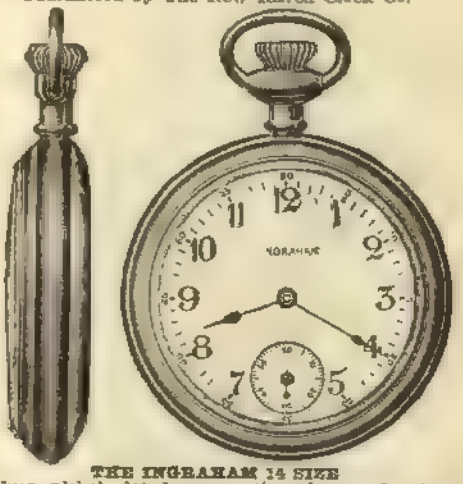
THE MOTOR—16 SIZE

New improved watch, white Arabic dial, plain or fancy backs. Movement, stem wind and stem set, plates heavily nickeled and damaskeened.

No. 1586 Nickel finish, price, each.....$2.50
Guaranteed by The New Haven Clock Co.

(Back View of Motor.)

Plain cases furnished when desired. Fully guaranteed by the manufacturer.



THE INGRAHAM 14 SIZE

German silver, nickel plated case, antique bow, unbreakable crystal. Movement built on watch principles, having solid cut and polished steel pinions, double roller escapement, stem wind and pull-out stem set. Locks in case automatically without screws.

No. 1588 Price, each.....$2.53
In lots of 3 dozen, each..... 2.47

HUNDRED MILE PEDOMETER

Nickel finished, highly polished case, resembles a gentleman's small sized watch (illustration exact size). Figures 1, 2, 3, etc., represent the miles walked, the space between each number is divided into ¼ miles. The hand can be set forward or backward as desired.

No. 1590 Each.....$2.33
Same as above, gun metal finish.
No. 1591 Each.....$2.33

NEW 12-SIZE TUTOR ANSONIA MAKE

Nickel case, snap back and bezel, stem wind and stem set, the cheapest 12-size nickel watch on the market.

No. 1592 Each.....

The Nulite Even-Glow Lighting System

Sunshine at Night

The result of the scientific combination of perfect Hydrocarbon light distributed by the most wonderful product of the glassmaker's art. Absolutely Shadowless—no Glare and no Eye Strain. The nearest approach to sunlight at night ever effected. Pronounced by the World's most competent lighting engineers as the "Only Perfect Artificial Light" for Homes, Offices, Stores and Churches.

The Semi-Indirect Lamps operate on any hollow wire system and are guaranteed to give entire satisfaction when used according to instructions. These are the latest style lamps on the market and we believe the best ever made. They are beautiful to look at when not in operation and when lighted the effect is almost indescribable. It is like the sunlight filtering through the leafy trees. The glass bowl is not transparent, that is, there is no glare from the mantle, nor are any of the working parts of the lamp visible, but when the lamp is in operation the light is diffused from the globe in every direction and the intense rays from the mantles are reflected upward to the ceiling whence it is distributed evenly over every part of the room, giving at one time all of the advantages of both direct and indirect lighting. In fact, Semi-Direct Lighting has been pronounced by all the greatest engineers and experts on the subject to be the most perfect of all artificial lights

400 candle power. Forty hours on 1 gallon of gasoline. Shadowless, perfect light distribution. Better than 240 C. P. of direct light.

More beautiful than electricity and ten times as cheap to maintain.

No 2 Even-glow, two mantle fixture for homes, offices, stores and churches. Brushed brass finish, 16-inch bowl. Price . $28.34

200 candle power. Sixty hours on 1 gallon of gasoline. Absolutely no glare. Like September sunshine through leafy trees. Maximum power and distribution at minimum cost. Automatically cleaned. Operates entirely from floor

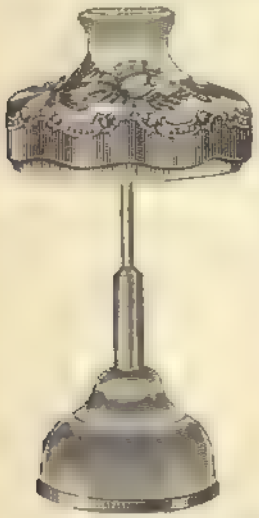
No. 1 Single mantle, 200 candle power. Price.. $24.17

"THE NULITE FAVORITE" PORTABLE READING LAMP WITH DECORATED CHINA SHADE—FOUR COLORS

Automatically cleaned—Positively cannot clog

250 candle power, 80 hours on one gallon of gasoline. Weight, 6 lbs Height, 22 inches. Operates 15 hours on one filling.

Simple—Safe—Efficient—Durable.



No. 10 Nulite Favorite Table Lamp, with decorated shade. Price..$18.35

No. 10 Nulite Favorite Table Lamp with white shade. Price.....$17.68

All parts are interchangeable and the entire lamp is guaranteed to be [illegible]

The Nulite Favorite No. 10 Table Lamp is pronounced by everyone who has seen it the last word in gasoline lamp perfection. It is exceptionally beautiful, neat and convenient in size and style. Attractively finished in polished nickel, and equipped with a handsomely decorated china shade. As a household utility it is certainly a great improvement over all other styles of home lamps. It saves money and time for the user, adds comfort and cheer to the home, makes for comfort, cheerfulness and wellbeing everywhere. It is artistically designed, perfectly constructed and produces a powerful white light of a quality unequaled except by sunlight.

The No. 10 Lamp is fitted with a patented automatic cleaning device which prevents clogging, and this eliminates practically all the trouble usually experienced with the old style gasoline lamps. The Nulite Favorite Table Lamp produces a better quality of light than gas, electricity or kerosene at a much lower cost and is more convenient, as it is entirely portable and has no connecting wires or tubes in the way. For every phase of home and office lighting this lamp is certainly away ahead of all others. It will operate in any position—upside down or on its side or even can be rolled on the floor while in operation without damage to itself or danger to anything surrounding it.

It is equipped with two small rag mantles which are tied securely onto the burner with asbestos cord. A small pump is furnished free with each lamp.

Dealers salesmen, users, everyone should be interested in this lamp. It is an ideal home lamp, just the thing for desk or study use, hospitals, doctors. Professional men will find in it the lighting service they have always wished for. There is a real need of this lamp in every one of these places. If you are a dealer cash in on this certain demand by ordering six or a dozen lamps today

Fancy decorated shades only . . . . . each $3.17

Fancy white shades only . . . . . each 2.67

Nulite Junior rag mantles, best quality . . . . . per dozen 3.34

THE STORM KING LANTERN

250 Candle Power

Automatically cleaned—Cannot clog **Storm and rain-proof**

Guaranteed safe and efficient

The Storm King Lantern should be of interest to campers, hunters, summer resorts, street shows, circuses, railroads, yards, camp meetings, military encampments, street lighting in small towns, and for farmers and householders everywhere.

It is an efficient, safe reliable, powerful and economical light, storm-proof and will burn anywhere in any position. It is very simple in construction and in operation, easy to light and extinguish and can be taken apart in a few seconds if desired. It is equipped with automatic tip cleaner, which prevents clogging.

No dirty chimney to wash
No wicks to trim.
No smoke, no smell.
No dirt, no danger
Cheaper than kerosene.
More efficient than electricity.

Weight, 3¼ pounds net. Height, 13 inches. Capacity, one quart. Burns 15 hours on one filling and produces about 250 candle power. Equipped with rag mantle, mica chimney, pump and lighter. Put up in carton weighing 5 pounds gross.

Storm King Lantern, complete. Price. $15.85

Extra lantern chimneys. Price. . . . . each 2.17

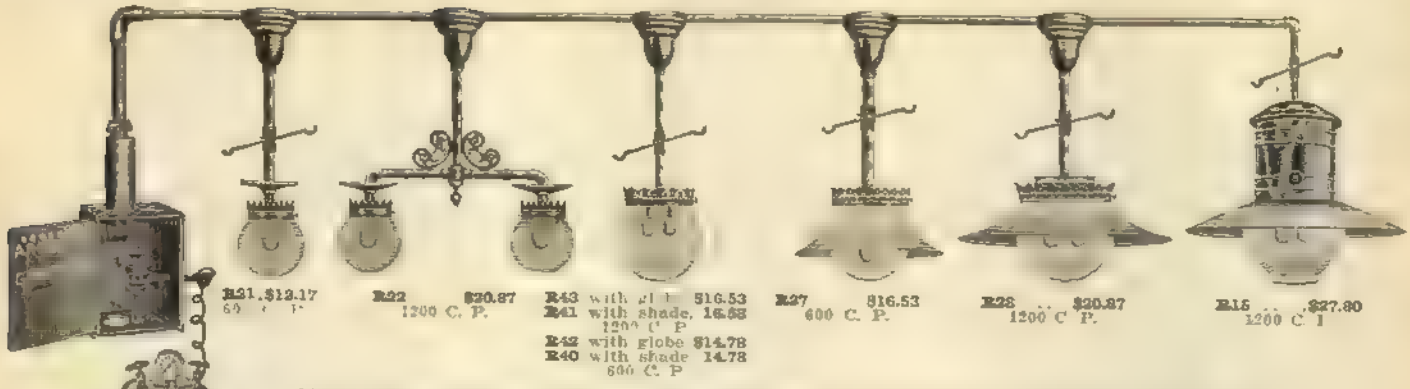
Extra mantles. Price . . . . . per dozen 4.83

G.W. HUNTLEY © CHICAGO

Make Your Own Gas

With a Yale Arcolite Tube System

1863 1917



R21 . $12.17
60 C. P.

R22 $20.87
1200 C. P.

R43 with globe $16.53
R41 with shade, 16.53
1200 C. P.
R42 with globe $14.78
R40 with shade 14.78
600 C. P.

R27 $16.53
600 C. P.

R28 . . . $20.87
1200 C. P.

R15 . . . $27.80
1200 C. P.

This Illustration Shows the Tank, Generator, Piping and Lights

The Arcolight System is especially adapted for lighting Stores, Halls, Churches, etc. It can be installed by anyone. All cutting and soldering is done at the factory.

For large rooms the Arcolight System is more convenient to operate than the hollow wire system. The generating is all done at one place, and the lamps light the same as city gas. The generator is quickly adjusted to use any number of lights desired. A floor lighter is furnished free.

In lodge halls and opera houses the Arcolight System is usually equipped with dimmer valves, by the use of which the room, when brilliantly lighted, may be thrown into semi-darkness and instantly restored to brilliancy by simply turning a valve, and without touching the generator.

NOTE THE SIMPLICITY OF THE GENERATOR

The Arcolight Generator has fewer parts than any machine on the market, to this and its design and expert workmanship we attribute its perfect operation. We are constantly selling them to parties who have purchased systems with unsatisfactory generators. In the Arcolight Systems we use only the highest quality of expansion tested brass, the experience of the most skilled mechanics and add to that a special test of your system before we ship it to you. We then know that everything is perfect and that you can have no difficulty with it either at the time you receive your plant or afterward. The Arcolight Tube Systems have a well earned reputation for satisfactory service and are fully guaranteed.

OUR IRONCLAD GUARANTEE

We will ship a complete system to any responsible person on thirty days' trial and same may be returned at our expense if not as represented in every way. Every system is carefully tested by actual burning before leaving factory and is guaranteed against mechanical defects for FIVE YEARS; with reasonable care will last a lifetime.

Prices on lamps include full equipment of glassware, mantles and up to 2-foot drop over all (from ceiling to bottom of globe or shade). For longer drops, add 87 cents per foot. Thirty days' free trial in your own store. You are the judge.

PRICES OF GENERATORS, PIPE, TANKS, SUPPLIES, ETC.

Style "A" arcolight generators, 1 to 6 mantles	each	$37.47
Style B arcolight generators, 6 to 12 mantles	each	50.33
Style C arcolight generators, 12 to 18 mantles	each	62.60
3 gallon tank, with pump complete	each	23.67
5 gallon tank, with pump complete	each	27.80
10 gallon tank, with pump complete	each	32.87
1¼x20 steel barrel pumps	each	3.13
1½x20 brass barrel pumps	each	6.93
Piping, 2-inch or 1½-inch	per foot	.34
Couplings, 2-inch or 1½-inch	per pair	1.38
Elbows, 2-inch or 1½-inch	each	.87
Tees, 2-inch or 1½-inch	each	1.38
Crosses or angles, 2-inch or 1½-inch	each	2.45
Drop tubing, ⅜-inch	per foot	.87
Couplings for above	each	.87
Dimmer valve for any tube system	each	15.65

HOW TO ORDER OR OBTAIN AN ESTIMATE

The generator should be located in a convenient place, preferably in a back room. The tank may be placed out of doors or on the rear porch. It is connected to the generator by a length of ⅜-inch flexible hollow copper wire tubing. The conductor pipe is measured from the top of the generator to first elbow, tee or cross, then to the various connections. 1 pair of couplings is necessary for each 10 feet or less of pipe, 1 pair for each elbow, 1 pair for each tee and 2 pairs for each cross. Diagram of space to be lighted should accompany order. Distance between lamps and height of ceiling must be shown. Unless otherwise specified, we supply 7-foot fixtures from ceiling to bottom of lamp. For cost per foot of additional drop tubing, see list below.

HOW TO FIGURE COST OF A COMPLETE SYSTEM

The following illustration is based on a 3-light 1,800 candle power plant.

System No. A-3

		List price
1 A arcolight generator, 1,800 candle power capacity		$37.53
1 5-gallon tank and pump complete		27.80
3 R21 lamps complete, 2-foot drop, each	$12.17	36.51
5 feet ¾-inch galvanized steel pipe, per ft	.35	1.75
1 pair brass screw couplings, soldered, per pair	1.38	6.90
1 galvanized steel elbow		.87
1 galvanized steel tee		1.38
10 feet hollow wire to connect tank to generator, asbestos washers, wax tapers, tape, holder, carrying straps, wrench and directions		no charge
Total, complete system		$128.49

Prices on lamps shown include glassware, mantles and full equipment with up to 2-foot drop (from ceiling to bottom of lamp).
Extra ⅜-inch drop tubing.....per foot $0.88

System No. A-4

4 light system complete with 4 R21 lamps, 60 feet of pipe and 6 pair couplings.....$145.43

System No. A-5

5 light system complete with 5 R21 lamps, 70 feet of pipe and 7 pair couplings.....$162.53

System No. A-6

6 light system complete with 6 R21 lamps, 80 feet of pipe and 8 pair couplings.....$179.58

System No. A-7

7 light system complete with 7 R21 lamps, 90 feet of pipe and 9 pair couplings.....$209.18

If more tees, elbows or angles are wanted, add price each to list price.

If other styles of lamps are wanted deduct price of lamps on special systems and add prices of lamps wanted.

Fine Costumers and Umbrella Stands

PRICES EACH

Costumer.

Made of selected solid quarter-sawed Oak, Golden, Fumed or Early English Oak finish. Height, 5 feet 4 inches. Wood hooks weight about 8 lbs also made in imitation mahogany, white enameled or white maple.

No.		Each
142	Oak	$3.75
142M	Imitation mahogany	2.75
142E	White enameled	4.35
142W	White maple	4.75

Costumer.

Made of selected solid quarter-sawed Oak, Golden, Fumed or Early English Oak finish. Height, 5 feet 5 inches, metal hooks, weight, about 15 lbs., also made in imitation mahogany.

No.		Each
302	Oak	$4.75
302M	Imitation mahogany	4.75

Costumer.

Made of selected solid quarter-sawed Oak, Golden, Fumed or Early English Oak finish. Height 5 feet 6 inches, metal hooks, weight, about 30 lbs. Also made in imitation mahogany.

No.		Each
462	Oak	$6.65
462M	Imitation mahogany	6.65

Costumer.

Made of selected solid quarter-sawed Oak, Golden, Fumed or Early English Oak finish. Height, 5 feet 5 inches, metal hooks, weight, crated, about 28 lbs. Also made in imitation mahogany.

No.		Each
532	Oak	$7.55
532M	Imitation mahogany	7.55

Costumer.

Made of selected solid quarter-sawed Oak, Golden, Fumed or Early English finish. Height 6 feet 4 inches, metal hooks, weight, crated, about 16 lbs. Also made in imitation mahogany.

No.		Each
672	Oak	$8.50
672M	Imitation mahogany	8.50

UMBRELLA STAND

Made of selected oak, golden or fumed oak finish, height 28 inches, shipping weight about 13 lbs.

No. 453 ..... $6.06

UMBRELLA STAND

Made of selected oak, golden oak, fumed or early English finish. Height 30 inches weight about 25 lbs.

No. 402 Each $10.45

COSTUMER AND UMBRELLA STAND

Made of selected solid quarter-sawed oak, golden, fumed or early English oak finish. Height, 5 feet 9 inches, oak hooks, weight, about 40 lbs.

No. 172 Each $14.20

COSTUMER AND UMBRELLA STAND

Made of selected solid quarter-sawed oak, golden, fumed or early English oak finish. Height, 5 feet 8 inches, brass hooks, weight, about 45 lbs.

No. 352 Each $16.06

G.W. HUNTLEY & CO. CHICAGO

Fine Colonial Sheraton Style Bedroom Suite

Made in Shaded Old Ivory, American Walnut and English Brown Mahogany, Dull Finish

Very best of material, workmanship and finish. **Prices each, F. O. B. our Indiana factory.**

1863 1917

DRESSER

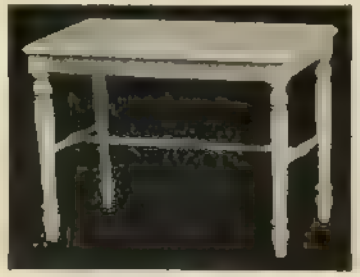
Made of selected material shaded old ivory finish. Fine set of metal pulls. Fancy carved front posts and standards. Full mortise and tenon construction. All drawers dovetailed front and back, dust proof case. Beveled top size 24x45 inches. Fine heavy mirror size 34x40 inches, enameled. Also made in solid American walnut and English brown mahogany dull finish. Shipping weight, about 200 pounds

No. 12592	Old Ivory	each $185.20
No. 12592W	Walnut	each 176.95
No. 12592M	Mahogany	each 172.55

BED

Made of selected material shaded old ivory finish. Fancy carved posts. Height 6 inches extra. Also made in American walnut and English brown mahogany. Full size only. Shipping weight 150 pounds

No. 592	Ivory	each $122.10
No. 592W	Walnut	each 113.65
No. 592M	Mahogany	each 109.45



DRESSING BENCH

Made of selected material. Shaded old ivory finish, fancy turned legs, bevel top. Also made in American walnut and English brown mahogany. Shipping weight about 50 pounds

No. 3592B	Old Ivory	each $24.25
No. 3592BW	Walnut	each 20.00
No. 3592BM	Mahogany	each 20.00

CHAIR

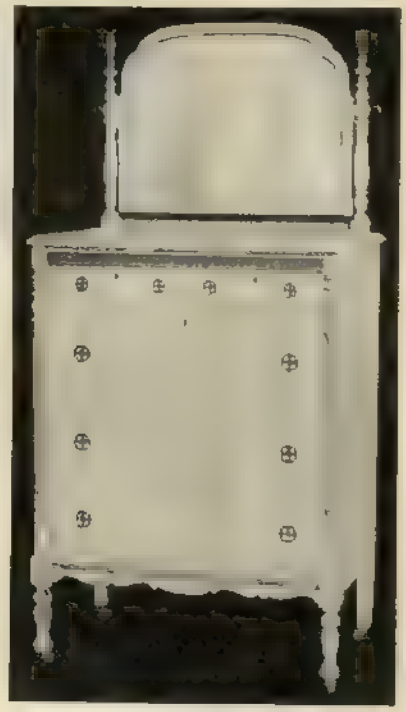
Made of selected material shaded old ivory finish, fancy turned posts. Spindle back. Also made in American walnut and English brown mahogany. Shipping weight, about 25 lbs

		Each
No. 3592C	Ivory	$28.40
No. 3592CW	Walnut	23.20
No. 3592CM	Mahogany	23.20

ROCKER

Made of selected material shaded old ivory finish, fancy turned posts. Spindle back. Also made in American walnut and English brown mahogany. Shipping weight about 25 lbs

No. 3592R	Ivory	$30.50
No. 3592RW	Walnut	25.25
No. 3592RM	Mahogany	25.25



CHIFFONIER

Made of selected material shaded old ivory finish. Finest of metal pulls. Fancy carved front posts and standards. Full mortise and tenon construction, dust proof case. All drawers dovetailed front and back. Beveled top size 22x46 inches. Fine heavy mirror size 24x36 inches, enameled. Also made in solid American walnut and English brown mahogany dull finish. Shipping weight about 150 pounds

No. 13592	Old Ivory	each $143.10
No. 13592W	Walnut	each 134.70
No. 13592M	Mahogany	each 130.50

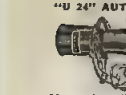
DRESSING TABLE

Made of selected material shaded old ivory finish. Fancy turned and carved front posts. Mortise and tenon construction. Dust proof case. Drawers dovetailed front and back. Finest of metal pulls. Beveled top, size 22x42 inches. Oval swing mirror size 18x22 inch center mirror, also made in American walnut and English brown mahogany. Shipping weight, about 150 pounds.

No. 4592	Ivory	each $138.90
No. 4592W	Walnut	each 130.50
No. 4592M	Mahogany	each 126.30

Auto Supplies

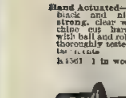
"U 24" AUTO HORN



Motor Driven—11 in. over all, brass and motor finish grade black enamel. 8 in bell horn nickel plated. Powerful motor, in a dust and moisture proof hard rubber push button furnished with wiring, guaranteed perfect.
K4932—1 in box, Each **$2.75**

"STEWART" WARNING SIGNALS

Hand Actuated—8½ in. long, black and nickel finish, strong, clear warning, tubchipe cup hardened gears with ball and roller bearings, thoroughly tested. With attachments.
K4961 1 in wood box Each **$2.15**



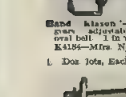
Motor Driven—Hard baked, black enameled motor case and pinion, nickeled bell, motor windings, fully protected against moisture, guaranteed not to rust, high grade brushes, hard drawn copper commutator, bronze front bearing, vanadium steel diaphragm. Special wrought finished for adjusting tone, with locked setting and big large mushroom push button.
K4897—1 in box...Ea. **$3.50**

KLAXON

"The Public Is Pro Klaxon"

All black enameled, guaranteed quality construction, vanadium diaphragms. Don lot price applies on 1 doz solid or assd. models.

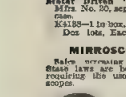
Sand Klaxon—Tool steel gears adjustable bearing, oval bell 7 in wood box.
K4196—Mfrs No. 8. Each, **$2.25**
1 Doz lots, Each, **$2.00**



Motor Driven "Klaxon"—Mfrs No. 20, separate motor case.
K4198—1 in box. Ea. **$15.00**
Doz lots, Each, **$13.33**

MIRROSCOPES

Sales increasing every day. State laws are being passed requiring the use of mirroscopes.



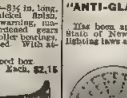
Mirroscopes—Black enameled metal frame, glass can be adjusted and adjustable to any position. Two sizes with parts.
K4881 4 in diminishing mirror gives wide vision. Each 60c
K4884—5 in. bevel plate mirror Pr **75c**

THE "RAND" HEADLIGHT REFLECTOR

K4335—Makes night driving safe. Not an adjustment to pass whether on straight stretches, fast sweeping curves, rear view, hospitals, state, federal and private laws. Simple to install. Due to focusing light 30% small beam the illuminating power is increased 50%, penetrates dense fog, white radiance keeps well to the right, causes no glare, strictly running old prices, easy inserting. Complete directions 1 pr in carton
Pr **$1.85**

"ANTI-GLARE" AUTOLENS

Has been approved by the State of New Jersey, where lighting laws are strict.

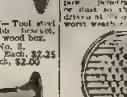


"Anti-Glare"—Constructed on scientific principle which eliminates all glare and throws diffused and concentrated beam. Makes night driving safe, keeps glare out of eyes of those going in opposite direction, due to concentration and increased candlepower and rule through fog so driver may travel on normal speed. Unexcelled driving. 1 pr. in carton.

K4892—8 in	Pr	$0.90
K4893—8½ in	Pr	
K4894—9 in	Pr	
K4895—9½ in	Pr	$1.05
K4896—10 in	Pr	
K4897—9½ in	Pr	$1.15

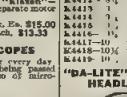
CORNING CONAPHORES—Noviol Yellow Tint

The new night headlight lens composition all glare thrown by comparison with all other glass lenses. Lighting not necessary to pass other cars or cars of any kind with standard [illegible] Has strength enough to pass bumping or smoke or dust so that car can be driven with lens in front of worst weather conditions.



K4410	8 in	per pair	$2.50
K4411	8½ in	"	2.63
K4412	9 in	"	2.50
K4413	9½ in	"	3.38
K4414	10 in	"	3.21
K4415	8½ in	"	3.38
K4416	9 in	"	3.38
K4417	9½ in	"	3.38
K4418	10 in	"	4.50
K4419	10½ in	"	4.27
			4.50
			4.27

"DA-LITE" HEADLIGHT LENS



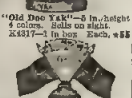
K4336—8½ in., especially designed molded clear glass diffuses light and prevents blinding. Meets all state laws. Practically approved by the state of New Jersey, where lighting laws are most stringent. Set reads for 150 yards. Can be used at time of day instead of dimming down. Pr Inverted Pr **75c**

STAUDE GLARE STOPPER

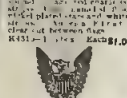
K3600 Made of extra strength imported amber glass, will break, scratch, crack, warp or discolor. Frame is solid nickel, has no screws to interfere with driver's view, is easily put on and off rim of wire wheel. 1 in carton.....Each. **$1.85**

RADIATOR CAP ORNAMENTS

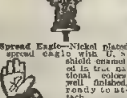
"Old Dan Tuck"—5 in. height 4 colors. Rolls on slight. K3317—In box Each, **$5**



"American Beauty"—Nickel plated with rose, gold, red and green enamel finish. Height 4 in. Highly polished and white silk scarf. Very clear cut between fins
K4311—1 in box Each **$1.00**



Spread Eagle—Nickel plated spread eagle with U. S. shield enamel colored in true national colors, well polished, ready to attach
K4115—1 in box Ea **35c**

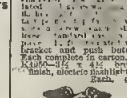


"Safety First"—Height 3½ in., handsome cop, enameled large flag and stand
K4116—1 in box Each **$1.00**

"TRINITY" ELECTRIC BELLS

Fully guaranteed

"Trinity"—Highly polished brass bell, nickel plated trimmings, fine tone, [illegible] finish, [illegible] bracket and push button. Each complete in carton.
K4106—6 in. Each **$1.75**



K4662—8½x3½, nickel finish, solid construction. Each, **$2.25**

WINDSHIELD WEATHER STRIPS

K4123—41 in., moulded rubber for inserting between upper and lower glass permits free, silent and rattle free stay while windshield is in use Each, **25c**

AUTO ROBE RAIL

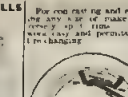
K3586—Swinging, 21 in solid round bar, ¾ in diameter black enamel hard rubber finish, within out of the way when not in use, 6 in. capacity space. Attaches to back or front seat. 2 in pkg.....Each, **35c**

STEEL CREEPER FOR AUTOMOBILES

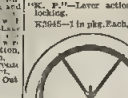
K4401—In long, 12½ in wide and 3 in. high, well constructed of solid steel reinforced center, Hardcrete covered head rest, roller bearing casters, tested to 400 lbs capacity and will stand the hardest kind of usage, 18 lbs. 1 in pkg.....Each, **$1.75**

RIM TOOLS

For rim carrying and repairing any size of make tire. Covers up in time. Makes a wire easy and prevents quick tire changing.

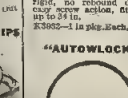


"K. F."—Lever action, self locking.
K3645—1 in pkg. Each, **$1.25**



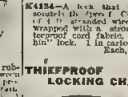
"Quick-Ey"—3 arm grip, cannot twist rim, holds rigid, no rebound danger easy screw action, fits tires up to 34 in.
K3935—1 in pkg. Each, **$1.45**

"AUTOWLOCK"



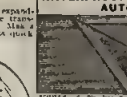
K4134—A lock that is absolutely theft proof. Consists of 6 ft. stranded wire rope wrapped with a strong waterproof cord fabric. Combination lock. 1 in carton
Each, **$1.50**

THIEFPROOF LOCKING CHAINS



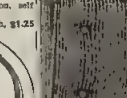
Hard Steel Chains—For securing spare tires. Heavy link, leather covered. Combination lock, 4 keys. 1 in pkg.
K4891—36 in. Each, **$0.45**
K4892—48 in. Each, **.50**

WATERPROOF AUTO ROBE



K4311—4 ft. 9 in. x 6 ft. 6 in., made from laidlow cloth specially treated with a vegetable fiber waterproof compound which makes it wind proof as well as waterproof. 1 in pkg Each, **$2.00**

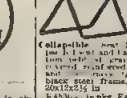
E. Z. BACK SEAT CUSHION



K3810—16 in. by 5 in. thick, tapers tapering from ¾ in to 2 in., covered with waterproof laidlow cloth which wears like iron and holds its shape, will last indefinitely. An exceptional value and good profit proposition. 1 in pkg. Each, **$1.25**

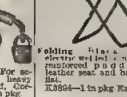
AUTO CHAIRS

Collapsible seat 1 sill in back 1 wood and back slats, iron tube all seam leather covered, reinforced with steel rods and [illegible] to dull black steel frame, closed 20x12x2½ in
K4336—1 in pkg Each, Ea



Folding Black enameled, electric welded tube canvas cushioned, solid black leather seat and back, folds flat.
K3894—1 in pkg Each, **$1.40**

FOLDING STEEL CAMP OR AUTO STOOL



K4184—It [illegible] of steel frame and of genuine army duck [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] camping, fishing, boating or as an extra seat in automobiles.
Each, **$1.75** ½ doz. in crate. Doz. **$5.50**

"TOURIST" AUTO HORN Hand Actuated

A large size thoroughly high grade warning signal. That fairly cannot be duplicated at our price—see.

Twin tone, long range, powerful [illegible] steel gears, adjustable contact point

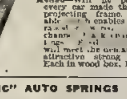
K4177 9 in over all hand baked black enameled, vanadium steel diaphragm with [illegible] contact point, shock absorbing [illegible] gears, brass bushings and [illegible] full volume long coil posts with brackets adjustable to any position 1 in box Ea. **$1.45**

Automobile Springs—Guaranteed genuine center breakage, have no center bolt to weaken them, will fit practically every make car. Change where spring is hung and a special high grade [illegible] of material with spring steel clips put steel [illegible] in
K4901 [illegible] for Ford roadster $2.25
K4902 [illegible] for Ford touring car 2.50
K4903 [illegible] for Ford sedan 2.75
K4904 Guaranteed front spring [illegible] 4.00
K4905—Guaranteed front spring for Overland car 4.25

"UNIVERSAL" CLAMP-ON BUMPER

K4890—Will fit practically every car made that has a projecting frame. Adjustable which enables bar to be raised or lowered [illegible] chassis [illegible] and fittings [illegible] will meet the requirements of an attractive spring bumper. Each in wood box. Ea. **$4.25**

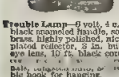
"TITANIC" AUTO SPRINGS



AUTO SUPPLIES

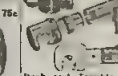
TROUBLE AND DASH LAMPS

Trouble Lamp—6 volt, 4 c.p., black enameled handle, solid brass, highly polished, nickel plated reflector, 3 in. bullseye lens, 10 ft. black cotton [illegible] Each, 75c



"Bull Dog" Dash Lamps—6 volt, 2 c.p., polished nickel finish dash to bulb center, 2 in., nickel plated, self contained [illegible] bayonet type lamp socket, tungsten bulb. K3707 1 in box Each, 69c
K4068—Length from dash to bulb center 3½ in., highly nickel plated with self-contained turn switch. Has one type lamp socket, 6 to 8 c.p. tungsten bulb. 1 in box. Each, 74c

Dash Lamps—Length from dash to bulb center 3½ in., highly nickel plated with self-contained turn switch. Has one type lamp socket, 6 to 8 c.p. tungsten bulb. 1 in box.
K3705—Straight neck.
K3709—Crook neck. Each, 67c



Dash and Trouble—6 volt, 2 c.p., polished nickel finish. In ordinary use it is a dash lamp used to illuminate speedometer, clock and pedals, furnished with extra socket and ten feet of cord which can be attached to dash lamp socket making an ideal [illegible] Each, $1.35

COMBINATION TAIL LAMP AND LICENSE BRACKET

[illegible] Each, 85c

HEADLIGHT OUTFIT With Bulbs

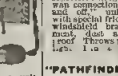
[illegible] Each, $3.35

WINDSHIELD SPOT LAMP

A necessity for country driving.

K4839—Black enameled steel shell, 7 in. diam., 3½ in. [illegible] reflector, nickel plated with Edgewan connection slotted "on and off" universal joint with special friction washers, windshield bracket attachment, dust and moisture proof. Throws powerful long [illegible] Each, $1.45

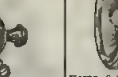
"PATHFINDER" WINDSHIELD SEARCHLIGHT



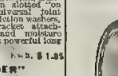
K4111—[illegible] Each, $2.85

most powerful searchlights on the market, master work manship, and high quality material used throughout. Complete with wire, socket [illegible] Each, $2.85

ELECTRIC HEADLIGHTS

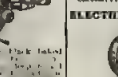


K4538—8 in., torpedo shape black and nickel finish special[illegible] for [illegible] French nickel reflector [illegible] locking bezel [illegible] door, furnished with 6 volt, 12 c.p. Mazda bulb, [illegible] terminal [illegible] Each, $11.00



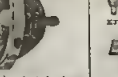
K4535—10 in. bull dog type [illegible] black and nickel finish, French beveled heavy [illegible] Each, $6.50

ELECTRIC TAIL LAMP



K4536—Richly finished in [illegible] Each, $2.85

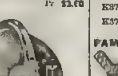
DASH BOARD LIGHT SWITCHES



K3711 K3712

Dash Board Light Switches—[illegible] Each, 15c
K3711—Single light switch. Each, 15c
K3715—2 gang switch. Each, 33c
K3715—3 gang switch. Each, 55c

FAMOUS "ALCO" BURNERS



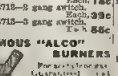
K4537

For particulars (Catalogue) [illegible] on the market.
No. 100—½ ft. burner, the best cheap burner made.
K4537 — 1 box. Doz. $1.00

HYDROMETER BATTERY SYRINGE

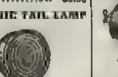
K4879—10½ in. long, heavy glass cylinder with protection tip and bulb, hydrometer scale 1.100 to 1.300 [illegible] tainer with directions for [illegible] Each, 43c

BATTERY CONNECTOR



K3806—"Standard", braided [illegible] covered copper [illegible] Each, 90c

OIL TAIL AND SIDE LAMPS

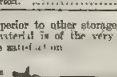


Tail—9 in. high, black finish, 3 in. red semaphore lens, 2½ in. white semaphore lens for license, well ventilated
K4915—1 in carton..... Each, $1.15
Tail—9½x5, large ruby semaphore rear lens with white semaphores side lenses, aluminium finish reflector and burner. Black finished throughout, patent screw top air chamber.
K4541—1 in carton..... Each, $1.30
Side—In K4541 [illegible] [illegible] parts [illegible]
K4557—1 pr in carton..... Pr. $2.75

HEISSLER MEPHISTO BATTERIES

STARTING, LIGHTING AND IGNITION

In many respects superior to other storage batteries. Workmanship and material is of the very best and always give complete satisfaction



Superiority of Heissler and Mephisto Plates

The plates in the Heissler and Mephisto are an improved type and have proven superior to any that have ever been offered for starting purposes, this has been proven by their use in daily service under all conditions. Buckling, abnormal sulphating and the shedding of active material have been eliminated.

Construction

All connections are lead burned and the elements are locked carefully in high grade rubber jars, these are completely encompassed by a medium of resilient and acid resisting sealing compound, the outside container is constructed of an especially prepared and treated wood.

Every material used in the construction of Heissler and Mephisto storage batteries is of the highest grade obtainable.

"It is not what goes into the Heissler and Mephisto, but what comes out that counts."

Mephisto—Ignition Only—

	Each
K4846—6v., 60 amp., 9½x6½x9½	26 lbs. $ 9.95

Ignition and Lighting—

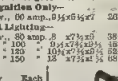
K4534—6 v., 80 amp.	8	37½x7½	38 lbs. $13.10
K4535—6 " 100	9	9½x7¾x9½	48 " 17.10
K4536—6 " 120	9	10¾x7¾x9½	52 " 19.00
K4537—6 " 150	12	8¾x7¾x9½	68 " 23.50

Heissler—Ignition and Lighting—

K4530—6v., 80 amp.	8	8¾x5	39 lbs.	$13.80
K4531—6 " 100	9	9½x7¼x9¾	48 "	18.00
K4532—6 " 120	9	10¾x7¼x9¾	53 "	21.00
K4533—6 " 150	13	8¾x9¾x9¾	69 "	24.00

STARTING & LIGHTING

Diease—	Year	Model	Type of Battery	Each
[illegible]	1911	[illegible]	11 Le 7 H	$28.40
[illegible]	1912-13	[illegible]	11 Le 7 H	28.40
[illegible]	1914	4-38, 8-38	13 Le 7 H	28.40
Buick—				
K3415—1914		B-24, B-25, B-50, B-37, B-54, B-55,	5 Le 13 G	19.20
K3416—1915		C-24, C-25,	5 Le 13 G	19.20
K3417—1916		C-30, 37, 54, 55, 64,	5 Le 11 G	19.20
K3418—1916		43, 44, 45, 46, 47,	5 Le 11 G	18.60
Cadillac—				
K3420—1913-14		1913	6 Le 13 Q	28.70
K3421—1913-14		13	[illegible]	27.90
K3422—1913-15		51-53	[illegible]	27.90
Chalmers—				
[illegible]		1914 15 24, 26, 28D, 29, 32	[illegible]	23.20
[illegible]		1914 25	[illegible]	19.20
Chevrolet—				
K3423—1914-15			[illegible]	21.60
K4743—1914-15			[illegible]	20.70
K4745—1916			[illegible]	20.70
Dodge—				
[illegible]		1915 16	[illegible]	26.40
Ford—				
[illegible]		1915 16	6 Le 11 G	16.20
K3425—1915-16			6 Le 13 G	19.20
K3426—1916		8-40,	6 Le 13 X	19.20
Hupmobile—				
[illegible]		16	13 Le 9 B	30.00
[illegible]		17	13 Le 11 B	30.00
[illegible]		18	[illegible]	30.00
Jackson—				
[illegible]		1914	[illegible]	23.60
[illegible]		1915	[illegible]	30.00
[illegible]		[illegible]	5 Le 15 B	21.60
[illegible]		1914 Majestic, Saltanic,	9 Le 13 B	26.70
[illegible]			6 Le 13 H	19.20
[illegible]			6 Le 13 B	21.60
[illegible]		41 49	6 Le 13 B	21.60
[illegible]			9 Le 13 B	26.70
[illegible]			5 Le 15 B	21.60
[illegible]		1915 16	6 Le 11 D	21.60
Jeffery—				
K3429—1913		Great Country	24 H 5 Y	38.80
K3443—1914		Six	24 H 5 Y	38.80
K3444—1914-15		Four	13 Le 13 B	21.60
K3445—1915		[illegible]	6 Le 13 B	21.60
K3446—1916		[illegible]	6 Le 13 B	19.20



STARTING & LIGHTING

Maxwell—	Year	Model	Type of Battery	Each
[illegible]		[illegible]	[illegible]	$21.60
[illegible]		[illegible]	[illegible]	21.60
[illegible]		[illegible]	[illegible]	21.60
K3450—1915-16		25	13 Le 7 M	26.40
Mitchell—				
K3451—1915-16			6 Le 13 B	28.70
K3452—1916			6 Le 13 B	28.70
			18 H 7 O	37.20
		15	9 Le 13 B	30.00
		[illegible]	13 Le 9 B	30.00
		[illegible]	13 Le 11 B	30.00
K3453—1916		[illegible]	13 Le 11 B	30.00
		9 or 40	13 Le 9 B	30.00
Moline—				
K3457—1912		M 42	6 Le 13 B	28.70
K3458—1913-14		M 40	6 Le 13 B	28.70
K3459—1914-15		[illegible]	13 Le 13 B	34.80
K3460—1915-16		[illegible]	6 Le 15 B	21.60
National—				
K3461—1913-14		V-1 B 3	6 K 11 B	21.60
K3462—1914		[illegible]	6 Le 13 B	19.20
K3463—1915		[illegible]	6 Le 13 B	19.20
K3464—1916		Highway 13,	6 Le 13 C	19.20
K3465—1916		[illegible]	6 Le 13 B	19.20
K3466—1916		Highway 6	6 Le 13 C	19.20

STARTING & LIGHTING

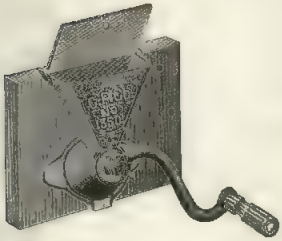
Oakland—	Year	Model	Type of Battery	Each
[illegible]		[illegible]	[illegible]	$29.70
K3468—1913		35	[illegible]	19.20
K3469—1914		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
K3471—1914		[illegible]	[illegible]	19.20
K3473—1914		49 52	5 Le 11 B	19.20
K3472—1915		[illegible]	5 Le 11 B	19.20
K3474—1915		[illegible]	[illegible]	19.20
K3476—1916		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
K3477—1916		[illegible]	[illegible]	19.20
Overland—				
[illegible]		[illegible]	24 H 5 Y	38.80
[illegible]		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
[illegible]		[illegible]	[illegible]	19.20
[illegible]		75	[illegible]	19.20
Paige-Detroit—				
K3485—1913		[illegible]	6 K 15 B	21.60
K4482—1914		[illegible]	6 Le 15 B	21.60
[illegible]		[illegible]	6 Le 15 B	19.20
Regal—				
K3483—1914		[illegible]	6 Le 11 B	19.20
K3480—1914		[illegible]	6 Le 11 B	19.20
K3481—1914		[illegible]	6 Le 11 B	19.20
K3484—1916		[illegible]	6 Le 11 B	19.20
Reo—				
K3487—1914 15		[illegible]	6 K 11 B	21.60
K3488—1916		[illegible]	6 Le 15 B	21.60
Saxon—				
K3494—1915		[illegible]	6 Le 11 B	19.20
K3496—1915		[illegible]	6 Le 15 B	19.20
K3497—1916		[illegible]	6 Le 11 B	19.20
Scripps-Booth—				
K3497—1915		[illegible]	13 Le 7 B	21.60
K3498—1916		[illegible]	6 Le 11 B	21.60
Studebaker—				
K4749—1913		[illegible]	13 Le 7 B	30.00
K4741—1914		[illegible]	6 Le 15 B	21.60
K4742—1915		[illegible]	6 Le 15 B	21.60
K4743—1916		[illegible]	6 Le 15 B	19.20

If car was equipped with more than one type of battery be careful when ordering.

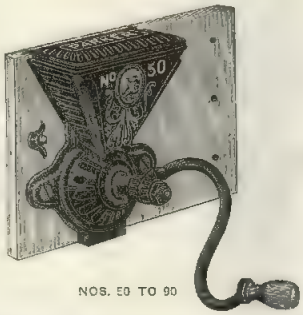
If your car is not shown here, write and we will be pleased to quote prices on battery for any model car. Specify car year, model and electric system where possible so that you will be certain to receive proper connections on battery ordered.

COFFEE MILLS

PARKER'S SIDE



No.	Size hopper, in.	Wt. per doz.	Per doz.
1350	1 ⅛ x 4 ¼ x 4 ½	84 lbs.	$10.00



NOS. 50 TO 90

No.	Size hopper, in.	Wt. per doz.	Per doz.
50	1 ⅞ x 3 ½ x 4	80 lbs.	$13.00
60	2 x3 ¾ x 4 ½	100 lbs	14.25
70	2 x4 x5 ½	110 lbs.	17.75
80	2 ¾ x5 x6 ¼	140 lbs	27.00
90	2 ¾ x6 ¾ x9 ½	220 lbs.	41.00

No. 1350, one dozen; Nos. 50 to 90, one-half dozen in a box.

PARKER'S BOX

No. 1180

Iron hopper.

No.	Size box, in.	Wt. per doz.	Per doz.
1180	4 ⅝ x 4 ⅝ x 2 ¾	38 lbs.	$7.25

No. 1400

No. 316

Same style as No. 1180, but has retinned hopper.

No.	Size box, in.	Wt. per doz.	Per doz.
316	5x6x3 ½	46 lbs.	$14.00

One-half dozen in a box.

No.	Size box, in.	Wt. per doz.	Per doz.
1400	4 ⅛ x 4 ½ x 4 ¼	35 lbs.	$14.00
401	5 x5 x4 ¾	52 lbs.	17.50
402	5 x5 x4 ¾	90 lbs.	20.00

One-half dozen in a box.

COFFEE MILLS

CRYSTAL

CRYSTAL CANISTER

No. 3

Blue enamel finish hopper and cup, clear high-grade glass. Hopper air-tight. Adjustable cup bracket; any size tumbler can be used. The grinders may be set to any desired size of grain. Capacity of hopper one pound.

No.		Wt. per doz.	Per doz
3	Crystal	88 lbs.	$24.00
	Extra Hoppers		$4.00

One in a carton, one-half dozen in a case.

EAGLE

EAGLE CANISTER

No. 444

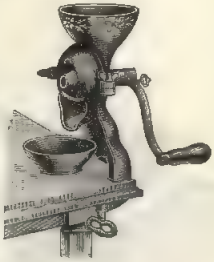
Grinders and shells made of hard chilled iron

No.	Wt. per doz.	Per doz.
444	48 lbs.	$15.00

One dozen in a case

PARKER'S BALL BEARING

No. 035



No. 045

Capacity of hopper 4 oz. Grinds 6 oz. per minute

No	Height	Wt. each	Each
035	9 in.	6 lbs.	$3.75
045	11½ in.	6 lbs.	4.00

One only in a case.

PARLOR AND LIBRARY ELECTROLIERS

No. A1366½

No. A1367½

No. A1376½

These lamps are priced to place you in a position to give your customer real value. All metal parts are furnished to match the beautiful shades, which are in many colors and very latest up-to-date decorations

No.	Height	Extreme diam. of shade	Finish of portable	Description of glass	Number of lights	Socket	Each
A1366½	19¾ in.	14 in.	Gold Bronze	Amber-Opal	1	Key	$16.00
A1367½	19 in.	14 in.	O. E. B. and Black	Amber-Green	1	Key	18.00
A1376½	20½ in.	17½ in.	Mahogany	Amber	1	Key	19.00

No. A1368½

No. A1369½

No. A1370½

No.	Height	Extreme diam. of shade	Finish of portable	Description of glass	Number of lights	Socket	Each
A1368½	20½ in.	18¼ in.	O. E. B. and Black	Amber-Green	2	Twin pull	$20.00
A1369½	21 in.	16¼ in.	Pompeiian Green	Amber-Green	2	Chain pull	25.00
A1370½	19½ in.	17¼ in.	Balarian	Pea-Green	2	Chain pull	30.00

Complete with six-foot silk covered cord and plug. One in a box, ready for shipment.

ELECTRIC PORTABLE LAMPS

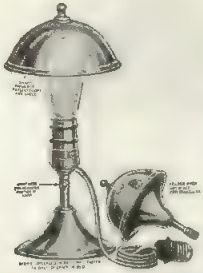
LITTLE FAIRIE

The most practical, low-priced lamp on the market. It will clamp, stand or hang anywhere.

The outfit consists of a wire stand and a lamp shade, and enables one to put to practical use the ordinary extension cord that is found in most every home.

	Each
Little Fairie (Lamp stand and shade only)	**$0.85**

WALLACE

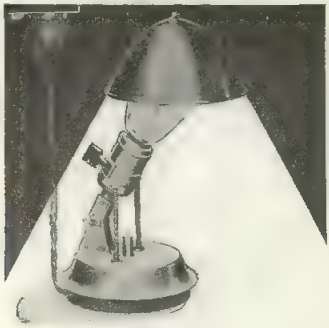


The Wallace patented, adjustable electric lamp is the handiest lamp in the world, and the only one which is collapsible and can be carried in a grip.

A spiral clamp spring in the base of the lamp permits of it being hung or clamped to a bed, desk or chair. A rubber suction cup provides means for attaching to a mirror, window pane or any like surface. It is fitted with a plug and ten feet of extension cord.

	Each
Wallace	**$3.50**

WIZARD



A universal lamp for home, office or travel. Clamps sticks, hangs or sits anywhere Extension cord winds up in base, avoiding surplus cord. Finish brush brass.

	Each
Wizard	**$3.50**

There's a Parry Body to Suit Every Hauling Requirement

Parry Bodies are made in styles to suit the particular needs of every class of trucking or delivery work.

Parry Bodies are manufactured by a company that has made Body work a specialty—a profession—for years. We buy materials in tremendous quantities—which helps to hold down the cost of Bodies to YOU. Our experienced lumber buyers throughout the land make sure we receive only the highest grade of lumber. You get only the very best materials in a Parry Body.

Our immense factory is situated where railway shipping facilities are unsurpassed—which always guarantees you prompt shipments. 90% of all orders shipped same day as received.

The Parry Line is a true money-maker for hundreds of "up-and-doing" dealers. How soon are *you* going to share in the profits? Territory is being rapidly taken. Write today for catalogue and details of the Parry Plan.

PARRY MFG. CO.~INDIANAPOLIS

The Glorified Eight

Peerless introduces extremes of performance in one and the same distinguished car

In the Peerless Eighty Horsepower Eight extremes meet—limitations that formerly stood in the way of complete motor car enjoyment have been overcome. The most pleasing characteristics of equally attractive but opposite types of cars have been combined in one—the Peerless Eight.

Ultra smoothness, the extreme of responsive flexibility, delectable softness, are yours with marked economy of operation in a car capable of the speed of the charging racer and of prodigious feats of power.

Two Power Ranges

Imagine, if you will, your ideal car for ordinary everyday uses. It must creep on high gear with absolute smoothness. It must respond to the throttle without trace of hesitation and accelerate in a flash to any permissible city speed. It must give no sign or sound or effort in this accomplishment.

The "Loafing" Range

The Peerless Eight in its "loafing" range is ready to realize this ideal for you and to do it on half rations—consuming fuel so sparingly as to shame many a lesser powered six—even many a four.

But there comes the emergency which calls for superpower or the need or desire for speed of which no other ideally soft, smooth motor would be capable.

The "Sporting" Range

You have only to open the throttle wider to release the double poppets of the Peerless Eight and use her "sporting" range.

And now you have a brute of a car, responding with a deep note of rugged, relentless power which makes you master of any situation with which any motor car can contend.

You have utterly changed the whole character of your car.

Give the Peerless dealer an early opportunity to demonstrate the well-nigh unbelievable contrasts in performance of which this car is capable.

The Peerless Motor Car Co. *Cleveland, O.*

Peerless

New Price List Effective April 9, 1917
Prices f. o. b. Cleveland
Subject to Change Without Notice

Touring	$2090
Roadster	$2090
Sporting Roadster	$2250
Coupe	$2750
Sedan	$2890
Limousine	$3590

Peerless Eight

BLUE RIBBON SALE

BASEBALL UNIFORMS

WRITE for our 1917 Swatch Booklet showing baseball uniform materials. "Pennant" Uniforms sell on their honest merit.

Write for this attractive booklet To-Day

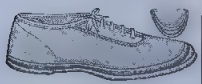
MEN'S HEAVY WORSTED PLAITED BATHING SUIT

This purchase was made nine months ago and has been held in reserve for you. A wonderful bargain at the very beginning of the season

K4232—NAVY. Heavy plaited worsted body California, 1 pc. pure worsted white chest band, trunk stripe and neck. Sizes 34 to 44 inches. Each, **$2.10**

SERVICEABLE WHITE TENNIS SHOES

The most popular and staple grade at 15% under the market. The lot is limited and there will be no more when these are gone. ORDER AT ONCE



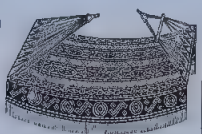
Finely woven white canvas oxfords, tough gray rubber soles firmly cemented to uppers. 1 pr. in carton. 48 prs. in case. SPECIFY SIZES

K925 Men's. Half sizes 6 to 10. Pr. **56c**

K926 Boys'. Sizes 2½ to 5½. Pr. **51c**

"REGAL" HAMMOCK

Fine color combination. Strong and durable. Order now



K2968 37x88. full 3-cord weave in contrasting panels, large medallion and small diamond figures, contrasting double valance. Large tufted throwback pillow with tassels. Conservative combinations of green, tan and black. Each, **$2.50**

"OLD DOC YAK" AUTO RADIATOR CAP

Display these, they will sell if shown

K4317—5 in. height, 4 colors. Sells on sight. 1 in box. Each **55c**

PISTON FOR FORD CAR

Compare this low price

Piston, fine grade soft gray iron, light, round and accurately made, standard size, complete with rings, pin and bushings

K8261—Standard size. Each **$1.15**

K8262 .002 oversize

K8263 .03125

"RIVAL" TENNIS RACKET BARGAIN

Well known high grade "Rival" Racket at a special price. Note its many excellent features

K763—Full size egg shape frame, reinforced with ditch and vellum double throat wrappings, twelve-cord shoulder stripe, strung with excellent quality gut, cut Doherty double center stringing, deep recess, cedar grip. Each in box. Paper Lue. **$1.45**

MEN'S CALIFORNIA 1 PIECE BATHING SUIT

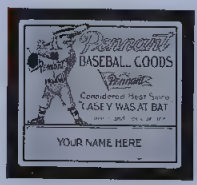
Here is an opportunity to buy bathing suits at a price you would expect only in normal times. HEAVY WT. COTTON & WOOL

K1192—Black, trimmed with white. California style, 1 pc. with skirt, extra heavy cotton yarn containing percentage of wool. Full sizes 34 to 46 in. chest. 24 doz. in box. SPECIFY SIZES. Doz. **$8.25**

Free "Movie" Slides

Run this electro and a little "ad" in your town paper right now when the season is coming on and you will win the trade to your store and sell more "PENNANT" Baseball Goods.

With any reasonable order for "Pennant" baseball goods we will give, on request, absolutely free, the "Movie" slide and newspaper electro here illustrated.



AUTO ACCESSORY CATALOGUE

Write for our

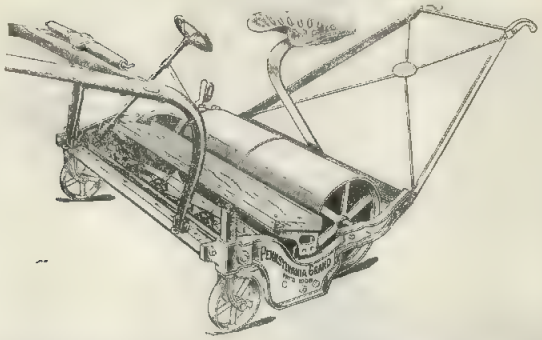
New Edition of "Paramount" Auto Accessory Catalogue & "Paramount" selling helps

IT QUOTES RETAIL PRICES AND YOU CAN SELL FROM IT

WRITE FOR A COPY TODAY

LAWN MOWERS

PENNSYLVANIA GRAND HORSE



The wheel at right of driver's seat regulates height of cut from ⅜ in. to 2⅞ in. Height of cut can be instantly changed without leaving the seat All wear of either revolving or stationary knives is taken up by a pair of set screws on top of cylinder journal boxes. The cylinder journals run in phospor bronze boxes, which are split so that all wear may be taken up by a set screw Crucible steel, self-sharpening stationary knife. Cylinder 7½ in. diameter, rollers 15 in. diameter. Complete, with seat, shafts, etc., as illustrated.

30 in. cut		Each	38 in. cut		Each
4 Knives	Weight 635 lbs.	$120.00	4 Knives	Weight 720 lbs.	$150.00
6 Knives	Weight 645 lbs.	132.50	6 Knives	Weight 750 lbs.	162.50

Note—Not carried in stock. Prices quoted on application.

EXTRA PARTS FOR LAWN MOWERS

List Revised March 1, 1917.

CLEAN CUT

No.		Wt. each	Each
B1501	L. H. side plate, with ball cup	3¼ lbs	$3.00
B1502	R. H. side plate, with ball cup	3¼ lbs	3.00
1503	Drive wheel, both alike	6¼ lbs	2.50
1404	L. H. pinion	4 ozs	.50
1405	R. H. pinion	4 ozs	.50
1406	Pawl	1 ozs	.10
1410	Bottom knife complete, 12 in.	2¼ lbs	1.60
1410	Bottom knife complete, 14 in.	2½ lbs	1.80
1410	Bottom knife complete, 16 in.	2¾ lbs	2.00
1410	Bottom knife, complete, 18 in.	3⅜ lbs	2.20
B1507	Cylinder complete, 12 in.	12 lbs	6.60
B1507	Cylinder complete, 14 in.	14 lbs	7.20
B1507	Cylinder complete, 16 in.	16 lbs	7.80
B1507	Cylinder complete, 18 in.	18 lbs	8.40
1417	Handle	2½ lbs	1.00

DUNHAM

No.		Wt. each	Each
B1401	L. H. side plate, with ball cup	2¾ lbs	$3.00
B1402	R. H. side plate, with ball cup	2¾ lbs	3.00
B1490	Drive wheel, both alike	6¾ lbs	2.00
B1404	L. H. pinion	4 ozs	.50
B1405	R. H. pinion	4 ozs	.50
B1406	Pawl	1 ozs	.10
B1410	Bottom knife complete, 12 in.	2¼ lbs	1.60
B1410	Bottom knife complete, 14 in.	2½ lbs	1.80
B1410	Bottom knife complete, 16 in.	2¾ lbs	2.00
B1410	Bottom knife complete, 18 in.	3⅜ lbs	2.20
B1491	Cylinder complete, 12 in.	4¾ lbs	5.50
B1491	Cylinder complete, 14 in.	5 lbs	6.10
B1491	Cylinder complete, 16 in.	5¼ lbs	6.70
B1491	Cylinder complete, 18 in.	6 lbs	7.30
B1417	Handle	2½ lbs	1.00

SUNSET

No.		Wt. each	Each
C H. H.	Left side plate	3 lbs	$2.00
C S. S.	Right side plate	3 lbs	2.00
	Drive wheel	4 lbs	2.00
	L. H. pinion	4 ozs	.50
	R. H. pinion	4 ozs	.50
	Pawl	½ ozs	.12
	Bottom knife complete, 12 in.	2¾ lbs	2.80
	Bottom knife complete, 14 in.	3¼ lbs	3.50
	Bottom knife complete, 16 in.	3¾ lbs	4.50
	Bottom knife complete, 18 in.	4¼ lbs	5.50
	Cylinder complete, 12 in.	5 lbs	5.00
	Cylinder complete, 14 in.	5¾ lbs	5.90
	Cylinder complete, 16 in.	6¼ lbs	6.50
	Cylinder complete, 18 in.	7 lbs	7.50
	Handle	2½ lbs	1.00

TROJAN

No.		Wt. each	Each
H. H.	Left sid eplate	2½ lbs	$2.00
S. S.	Right side plate	2½ lbs	2.00
	Drive wheel	4 lbs	2.00
	L. H. pinion	4 ozs	.50
	R. H. pinion	4 ozs	.50
	Pawl	½ ozs	.12
	Bottom knife complete, 10 in.	2¾ lbs	1.30
	Bottom knife complete, 12 in.	3¼ lbs	1.40
	Bottom knife complete, 14 in.	3¾ lbs	1.50
	Bottom knife complete, 16 in.	4¼ lbs	1.60
	Cylinder complete, 10 in.	5 lbs	2.50
	Cylinder complete, 12 in.	5¾ lbs	3.00
	Cylinder complete, 14 in.	6¼ lbs	3.50
	Cylinder cmoplete, 16 in.	7 lbs	4.00
	Handle	2½ lbs	1.00

Nickel Plated, Solid Copper and Aluminum Coffee Percolators

Coffee made by this method is superior as a beverage, as it is distilled and not boiled. Starting with cold water, coffee of a very delicious flavor can be made in a few minutes. These percolators are simple in construction and easily cleaned. Patented valve construction insures delicious coffee before water boils.

NICKEL PLATED PERCOLATOR

No. D871 3 pints or 8 cups, nickel plated. $17.75

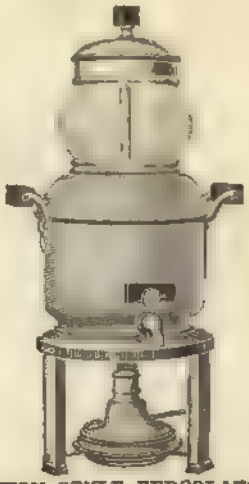
No. D872 Same, solid copper 17.75

NICKEL PLATED PERCOLATOR

No. D873 3 pints or 8 cups.$21.85

No. D874 4 pints or 10 cups 24.00

No. D875 5 pints or 12 cups 28.10



MISSION STYLE PERCOLATOR

No. D876 3 pints or 8 cups, nickel plated...$25.50

No. D877 Same, solid copper 25.50

No. D878 4 pints or 8 cups, [illegible] plated 27.85

No. D879 Same, solid copper 27.85

NICKEL PLATED PERCOLATOR

No. D880 3 pints or 8 cups.$28.45

No. D881 4 pints or 10 cups 30.60

No. D882 5 pints or 12 cups 32.75

TEA-BALL TEAPOTS

Best quality imported English pottery, glazed dark brown color. Nickel plated cover, aluminum Tea-Ball. These pots are especially desirable, as they combine the Tea-Ball construction with the pottery body. The chain of the Tea-Ball is entirely enclosed in a pocket under the knob, not left hanging loose to bob about when pot is in use.

Tea-Ball teapot with pottery body and nickel plated cover, aluminum tea-ball

PERCOLATOR SET, FOUR PIECES, COMPLETE

No. D883 Solid copper or nickel plated percolator, 3 pints or 8 cups, sugar capacity 10 ounces, cream 7 ounces, tray 10x14 inches $41.85

No.		Each
D884	3 cups	$3.65
D885	5 cups	4 40
D886	8 cups	5 25

MISSION PERCOLATOR SET

No. D887 4 [illegible] copper or nickel percolator, 3 pints or 8 cups, sugar silver lined, capacity 12 ounces, cream gold lined, capacity 8 ounces, tray 14 inches with square handles, complete set $54.50

Aluminum and Nickel Plated Percolators.

For use on Gas Stove or Range, principle same as urn style shown above. Have Protection Plate for use on Gas Stove.

NICKEL PLATED PERCOLATOR

No.		Price
D888	2 pints, 5 cups	$ 9.80
D889	3 pints, 8 cups	10.15
D890	4 pints, 11 cups	11.55
D891	5 pints, 14 cups	13.10

NICKEL PLATED PERCOLATOR

No.		Price
D892	6 cup size	$7.95
D893	8 cup size	8.85
D894	10 cup size	9.50

ALUMINUM PERCOLATOR

No.		Price
D895	2 pints or 5 cups	$10.15
D896	2½ pints or 6 cups.	10.95
D897	3 pints or 8 cups.	12.35
D898	4 pints or 10 cups.	13.10

NICKEL PLATED PERCOLATOR

No.		Price
D899	3 pints or 8 cups	$16.00
D900	4 pints or 10 cups	17 50

Electric Chafing Dishes, Percolators and Tea Kettles with Detachable Stoves

1863 1917

With the removable stove the value of the chafing dish is doubled. As the stove is a separate part it can be used for cooking anything that can be prepared on a range or gas stove. You can fry, boil, or make candy in the food pan without using the water pan. This cannot be done when the stove is attached directly to the dish. The stove also has three heats which can be regulated to low, medium or hot. Experience has proven the superiority of the detachable stove over the stove that is built in or permanently attached as part of the utensil. As a certain number of wires are necessary to carry the heat or electric current, the larger the stove, the larger the wires used, which last longer and add greatly to the life of the stove.

No. **D901** Electric chafing dish and stove $32.35
Capacity of dish 3 pints, nickel plated; has 3 heat detachable stove, diameter 6 inches

No. **D902** Electric set complete, five pieces, nickel plated .$64.85
Consists of 6-inch, 3 heat electric stove, 3 pint chafing dish, 3 pint or 8 cup percolator and 2½ pint tea kettle; also has a stand which can be used with other pieces. We can furnish prices on separate pieces on request. This makes a very complete outfit at a low price, as you only need the one stove for the different utensils.

No. **D903** Electric percolator..$37.55
Capacity 3 pints or 8 cups, nickel plated, has 3 heat detachable stove, diameter 6 inches.

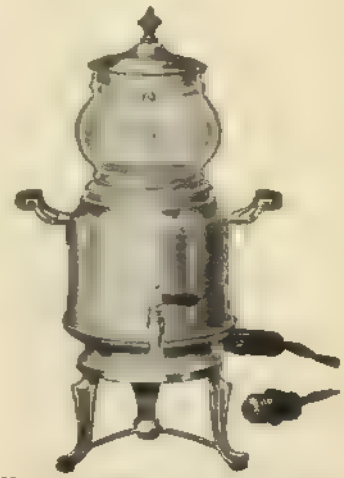
No **D904** Electric percolator..$18.15
Capacity 3 pints or 8 cups, nickel plated.

ELECTRIC PERCOLATORS WITH ATTACHED ELEMENTS

Percolators are equipped with a patented fusible nut which automatically disconnects the current in case the percolator is allowed to boil dry. Six feet of silk cord and lamp socket connection free.

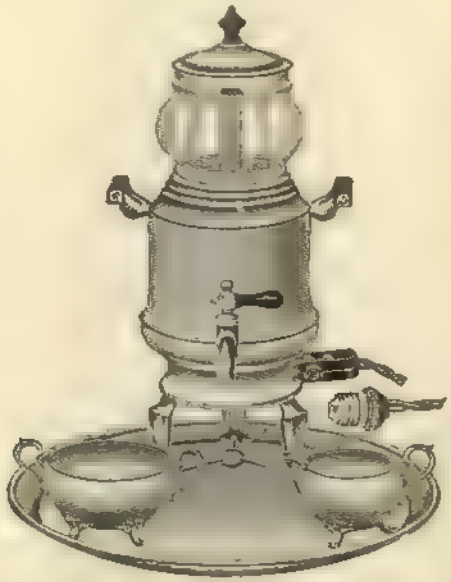
Note

In all the percolators or chafing dishes shown on this page the heating element is encased in enamel, which prevents deterioration which often occurs where the element is exposed to the oxidizing influence of the air. The element is made large, and heavier wires are used. This makes the heater more durable and it will last a lifetime if instructions are followed.

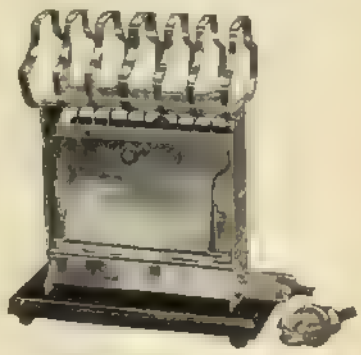


No **D905** Electric percolator..$27.15
Capacity 3 pints or 8 cups, nickel plated.

No. **D906** Electric percolator. $33.85
Capacity 3 pints or 8 cups, nickel plated.
No. **D907** Electric percolator. $36.25
Capacity 4 pints or 10 cups, nickel plated.
No. **D908** Electric percolator $33.65
Capacity 3 pints or 8 cups, polished copper.
No. **D909** Electric percolator .$36.25
Capacity 4 pints or 10 cups, polished copper.



No. **D910** Electric percolator set, four pieces complete, nickel plated $46.65
No. **D911** Same, polished copper $46.65
Consists of 3 pint or 8 cup percolator, 10 ounce sugar, 7 ounce cream and 15-inch round tray with satin center and polished rim.



No. **D912** Electric toaster.... $11.00
Has toast rack on top which is used for keeping toast hot while other toast is being made, or for drying out bread in advance.
The heater is set on a black enameled base, balance nickel plated; has doors on both sides which open sufficiently to allow placing or removing bread without burning fingers.

High Grade Cabinet Talking Machines

1863 1917

These Machines are Manufactured by Men High in the Art of Musical Instrument Production and are Considered by Experts to be the Equal of any Machine now on the Market in Reproducing the Human Voice, Musical Instruments and all other sounds. We Unhesitatingly Guarantee these Machines to Give Perfect Satisfaction and to be of the Finest Material, Workmanship and Finish.

The Perfectola Parlor Cabinet

$173.70 Model No. 100 $173.70

Height 50 Inches Width 21 Inches Depth 23 Inches

Model No. 100

Fine mahogany veneered front, sides, and lift top. Mahogany finish posts and back. High grade cabinet finish throughout. Fancy grill front silk lined, double doors on large spacious record and album cabinet with three shelves.

Extra strong, double spring, worm gear, noiseless motor; can be wound while playing. Twelve-inch sunk turntable. Special duplex reproducer plays any make of disc records, just a turn of the reproducer and change of needle for Edison and Pathe records. Fitted with tone modifier, which modulates the tone to fit the room in which the machine is used. Brake and speed control. All metal parts heavily nickel plated. Cabinet rests on casters.

No. 1002 Each $173.70
Special Jewel point needles for Edison records, extra, each 1.75
Special Jewel point needles for Pathe records, extra, each 1.75

The Vocaphone Parlor Grand

$230.50 Model No. 140 $230.50

Height 49 Inches Width 24 Inches
Depth 24 Inches

Fine mahogany veneered front, sides, and top of lift cover, dull rubbed finish, or selected quarter-sawed oak. Double doors on large spacious record compartment will hold seven record albums.

Extra strong, double spring, worm gear, noiseless motor; can be wound while playing. 12-inch sunk turntable. Special reproducer and tone arm, plays all makes of disc records. Just a turn of the reproducer and change of needle for Edison and Pathe records. Fitted with tone modifier, which modulates the sound to accommodate the room in which the machine is used. Brake and speed control. All metal parts are heavily nickel plated. Cabinet rests on casters.

No. 12 Each $230.50
Special Jewel point needles for Edison records, extra, each 1.75
Special Jewel point needles for Pathe records, extra, each 1.75

The Emerson 7-Inch Double Disc Records

Each, $0.57 List — **Retails for 25 Cents** — **Each, $0.57 List**

The Emerson 7-inch double disc records with the universal cut are proving one of the sensations of the talking machine world. Mr. Emerson, who for years has been recognized as one of the leading authorities on [illegible] has chosen for these records made under his own supervision a list of selections that are unsurpassed. These records will reproduce the finest [illegible]. World's display and monthly lists of new records sent upon request.

Complete List of Emerson 7-Inch Double Disc Records

POPULAR SONGS

720 — Shades of Night.....Tenor Solo
M-o-t-h-e-r .....Tenor Solo

722 — I Love a Piano.....Tenor Solo
One-Step Man Emerson Military Band

725 — I Love You, That's One Thing I Know.....Tenor Solo
No One But Your Dear Old Dad.....Tenor Solo

735 — My Own Iona.....Tenor Solo
Evelyn (From Comic Opera "Tom Tom").....Tenor Solo

736 — Good-Bye Good Luck God Bless You.....Quartette
Come Back to Erin Mona Darling.....Tenor Duet

738 — Wake Up, America.....Baritone Solo
Dixie.....Baritone Solo

743 — Are You From Dixie?.....Tenor Duet
It's All a Dream.....Tenor Duet

745 — Sweet Cider Time When You were Mine.....Baritone Solo
I Miss You Miss America.....Tenor Solo

751 — Hesitating Blues.....Band Solo
Luana Lou.....Band Solo

752 — I Sent My Wife to the Thousand Isles.....Comic Solo
Meet Me in Havana, Anna.....Tenor Solo

753 — Baby Shoes.....Tenor Solo
Sunshine of Your Smile.....Tenor Solo

754 — I Was Never Nearer Heaven in My Life.....Tenor Solo
My Rose of Honolulu.....Tenor Solo

757 — Arrah Go On, I'm Gonna Go Back to Oregon.....Tenor Solo
My Gal Sal.....Tenor Solo

758 — Oh, Promise Me.....Tenor Solo
Believe Me, If All Those Endearing Young Charms.....Tenor Solo

759 — I've Got the Army Blues.....Baritone Solo
The Old Flag Never Touched the Ground.....Tenor Solo

760 — End of a Beautiful Day.....Tenor Solo
All I Want Is a Cottage, Some Roses and You.....Tenor Solo

763 — Auf Wiedersehn Soprano and Tenor Duet
Somewhere a Voice Is Calling.....Baritone Solo

765 — Rackety Coo (From "Katrina").....Soprano and Tenor Duet
Trail to Sunset Valley.....Tenor Solo

HUMOROUS SONGS AND SKETCHES

729 — Turkey in De Straw.....Darkey Comedy
Rabbit Hash.....Darkey Comedy

731 — Johnny Get a Girl.....Comedy Duet
Bake Dat Chicken Pie.....Darkey Comedy

764 — If I Knock the L Out of Kelly.....Comic Song
Some Little Bug Will Get You.....Comic Song

STANDARD AND PATRIOTIC SONGS

728 — America, My County 'Tis of Thee.....Baritone Solo
Columbia, Gem of the Ocean.....Baritone Solo

732 — I Hear You Calling Me.....Tenor Solo
Ben Bolt.....Tenor Solo

733 — Last Rose of Summer.....Baritone Solo
Drink to Me Only With Thine Eyes.....Tenor Solo

739 — Perfect Day.....Baritone Solo
Love's Old Sweet Song.....Baritone Solo

749 — Lead Kindly Light.....Tenor Solo
The Palms.....Tenor Solo

750 — Maryland, My Maryland.....Baritone Solo
Silver Threads Among the Gold.....Tenor Solo

RECITATIONS

755 — Charge of the Light Brigade.....Dramatic Recitation
Barbara Frietchie.....Dramatic Recitation

756 — Shylock's Justification of the Jews.....Recitation from Shakespeare
Seven Ages of Man.....Recitation from Shakespeare

DANCE MUSIC—BAND

712 — Castle Walk.....One-Step
Castle Valse Classique

719 — Omar Khayyam.....One-Step
Shakespearian Love.....Fox Trot

727 — Ticking Love Taps.....Fox Trot from "Suzi"
Ida Fox Trot.....

730 — I Love You, That's One Thing I Know.....One-Step
Old Folks' Rag.....One-Step

740 — My Own Iona.....Fox Trot
Aloha Oe Waltz.....

746 — Ladder of Roses.....One-Step
Pavlowa Gavotte.....

747 — Babes in the Wood.....
Harrigan and Hart, Part No. 1.....

748 — Rackety Coo Fox Trot.....
La Confession Waltz.....

761 — Wee Bit of Scotch.....Fox Trot
Up the Street.....March and One-Step

BAND RECORDS

715 — La Cucaracha.....Emerson Military Band
La Serenata.....Emerson Military Band

717 — Over the Waves Waltz.....Emerson Military Band
Blue Danube Waltz.....Emerson Military Band

782 — Whistler and His Dog.....Emerson Military Band
Second Regiment Connecticut March.....Emerson Military Band

THE PERFECTOLA PHONOGRAPH

Is a Musical Triumph in the Perfect Reproduction of Sound

Made in one of the largest and finest equipped factories in America by skilled cabinet makers and mechanics. Finest of materials. Fitted with high grade American all-steel worm gear motors. Plays any make disc record with the exception of Edison and Pathe

MODEL No. 10—EACH, $23.42

Fine mahogany finish cabinet. Height 9 inches; width, 12½ inches; depth, 14 inches. Grill front, fine steel motor, can be wound while playing. Excellent tone arm and reproducer, ten-inch turntable. Fitted with speed regulator and brake. All metal parts heavily nickel plated.

MODEL No. 15—EACH, $34.75

Fine mahogany finish cabinet. Fancy grill front, silk lined. Height 8 inches; width, 15½ inches; depth, 16 inches. Ten-inch turntable. Very fine all steel worm gear noiseless motor. Plays two 10-inch records with one winding. Can be wound while playing. Excellent tone arm and reproducer, speed regulator and brake. All metal parts heavily nickel plated.

MODEL No. 30—EACH, $82.50

Fine mahogany finish cabinet. Grill front, silk lined. Height, 14 inches; width, 18 inches; depth, 20 inches. Ten-inch turntable. Very fine, all steel worm gear, noiseless motor. Can be wound while playing. Excellent tone arm and reproducer, speed regulator and brake. All metal parts heavily nickel plated.

MODEL No. 75—EACH, $121.53

Fine mahogany finish cabinet. Genuine mahogany veneered panels. Width, 19 inches; depth, 20 inches; height, 45 inches. Grill front, silk lined. Compartment for records fitted with two shelves. Twelve-inch turntable. Fine double spring worm gear noiseless motor. Fitted with tone modifier which [illegible] the sound [illegible] to be wound while playing. Speed indicator and brake. Mounted on casters.

CARBIDE LAMPS

PIONEER "I. T. P."

One of the main advantages of the Pioneer I. T. P. (It's Trouble-Proof) line of lamps is the automatic feed. This never gets out of order and absolutely regulates the flame so that it burns steadily and without flickering, the same size until the last atom of carbide is used up. These lamps show a saving of 20% and over in the use of carbide. Pressure never exceeds four and never goes below two inches.

SUPERINTENDENT'S LAMP

No. 160

Seamless drawn brass, heavily nickel-plated. Equipped with wind shield, lava burner and rigid movable reflector. Weight 11 oz.; height 5¼ in. Burns six hours on one charge.

No.	Each
160	$3.00

HAND LAMP

No. 205

Heavy drawn steel, all parts welded with oxy-acetylene. Equipped with 3 in. sparker, rigid, removable reflector and wind shield. Absolutely cannot be blown out. Horizontal flame. Height 6½ in.; weight 19 oz. Burns ten hours on one charge.

No.	Each
205	$3.50

HAND LAMP

No. 210—"BIG JIM"

Designed to meet the demand for greater illumination. Made of heavy drawn steel all parts oxy-acetylene welded. Flat flame, open burner; 25 to 50 candle-power. Three-inch reflector with umbrella top and extension piece to prevent lamp from tipping. Height 7 in.; weight 2 lbs. Burns 6½ to 9 hours on one charge (according to size of burner).

No.	Each
210	$4.00

HAND LAMP

No. 35

Galvanized iron. Made to meet the demand for a low-priced lamp of large capacity. Burns full shift on one charge. Height 6½ in.; weight 15 oz. Furnished as shown in cut or with folding handle and hook for superintendent's use.

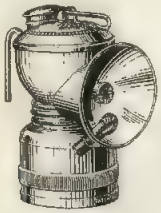
No.	Each
35	$2.40
With 3 in. Sparker Reflector	2.90

CARBIDE LAMPS

PIONEER

Pioneer miners' cap lamps have large water tank, giving greater capacity without increasing weight. Notches on top of lamp hold valve lever in position. Knurled band on container, which strengthens it and enables the miner to get a firm grip when unscrewing container. Water cap non-leakable—water will not run down miner's neck. Burner tube and hook that cannot be twisted loose. Felt holder easy to put on and take off. All parts readily accessible for cleaning. With the extras which can be supplied from stock they can be made wind proof, shot-proof and drip-proof at nominal additional cost.

CAP LAMPS



No. 130

With automatic water feed, lava burner, rigid removable reflector. Burns 3 hours on one charge. Valve construction is proof against change of regulation and loss of light due to swing of miner's head. Equipped with spark lighter.

No.	Each
130	$1.25

No. 125

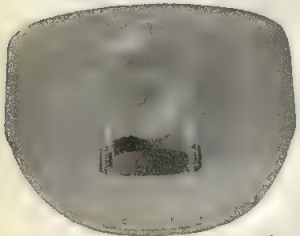
With bottom valve feed, lava burner, rigid removable reflector. Burns 3 hours on one charge. Equipped with spark lighter.

No.	Each
125	$1.25

EXTRAS FOR MINER'S LAMPS

	Each
Wind Caps	$0.05
Shot-proof Attachment on Lamp	.10
Extra Plain Containers	.20
Extra Shot-proof Containers	$0.30
Carbide Can—Curved	.15

MINER'S CAP



Heavy white duck. Complete with lamp attachment. Very serviceable.

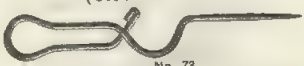
	Per doz.
Miner's Cap	$3.50

CAP CLIPS

Takes the place of spreader wires. Can be used on regulation miner's cap or riveted on miner's hat; also fastens to lapel of coat.

	Per doz.
Cap Clips	$1.20

CANDLESTICK ATTACHMENT (OR LAMP HOLDER)



No. 73

Solid steel. Snaps on lamp easily and holds it securely; easily jammed into timbers or earth.

No.	Per doz.
73	$3.00

BURNER CLEANER

No. 62

With ring to fasten to lamp.

No.	Per doz.
62	$0.60

No. 29

PIONEER SPORTMAN'S LAMP

Highly polished, nickel finish. Equipped with sparker lighter; no matches required. Reflector 2¼ x ¾ in. Height 3½ in.; weight 6½ oz. Burns 3 hours on a single charge. Extra carbide container furnished with each lamp, giving a total capacity of 6 hours.

No.	Each
29	$1.50

WHEEL GOODS

EXPRESS WAGONS

PIONEER RED

NOS. 18 TO 0

Small sizes.

The **Pioneer** express wagons command the most ready sales because of their superior gear, best made bodies and extra fine finish. Bodies—Outside painted red with gold stenciling; inside green. Gears and Wheels—Black baked enamel.

No.	Body	Wheels	Packed in carton, doz.	Shipping weights
18	6x12 in.	5 in.	1-2	1-2 doz., 17 lbs
04	8x18 in.	6 in.	1-12—1-3	1-3 doz., 20 lbs
03	9x20 in.	8 in.	1-12—1-3	1-3 doz., 24 lbs
02	10x22 in.	8 in.	1-12 -1-6	1-6 doz., 14 lbs
0	11x24 in.	10 in.	1-12—1-6	1-6 doz., 20 lbs
31	12x26 in.	10 in.	1-12—1-6	1-6 doz., 29 lbs
33	14x30 in.	11 in.	1-12—1-6	1-6 doz., 36 lbs
35	16x36 in.	12 in.	1-12—1-6	1-6 doz., 55 lbs

PIONEER BLUE

NOS. 31 TO 35

Bodies Extra heavy gauge sheet steel. Outside blue with gold stenciling; inside red. Gears—Black baked enamel. Staunch and lasting. Will stand rough service. Wheels—Black baked enamel; extra heavy construction

	Each
	$14.00
	20.50
	23.00
	25.50
	31.50
	45.00
	53.50
	80.00

PIONEER RED

NOS. 1 TO 4

Bodies—Outside painted red with gold stenciling; inside green. Gears and Wheels—Black baked enamel.

No.	Body	Wheels	Packed in carton, doz.	Shipping weights	Each
1	12x26 in.	10 in.	1-12—1-6	1-6 doz., 23 lbs	$37.00
2	13x28 in.	11 in.	1-12—1-6	1-6 doz., 28 lbs	41.00
3	14x30 in.	11 in.	1-12—1-6	1-6 doz., 31 lbs	45.00
4	15x32 in.	11 in.	1-12—1-6	1-6 doz., 34 lbs	53.00
0R	11x24 in.	10 in.	1-12	1-12 doz., 11 lbs	53.00
1R	12x26 in.	10 in.	1-12	1-12 doz., 12 lbs	59.50
2R	13x28 in.	11 in.	1-12	1-12 doz., 15 lbs	65.50
3R	14x30 in.	11 in.	1-12	1-12 doz., 17 lbs	74.00
4R	15x32 in.	11 in.	1-12	1-12 doz., 18 lbs	81.50

NOS. 0R TO 4R

With ½ in. rubber tires and are furnished regularly with hub caps; also have bent handle, painted red, with loop grip enameled black.

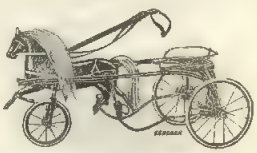
PIONEER FARM WAGONS

No. 13

Body 16x34x5½ in.; dash 9 in. high, made with end boards and rods. Handsomely painted; outside green with white striping; ornamented with gold transfers and black stenciling; inside painted red. Gear very strong, heavy hardwood bolsters with reach and steel braces; heavy steel tongue fastenings; axles ⅞ in. Red with white striping. Wheels heavy wood, 10 in. front, 14 in. rear; heavy welded tires; shaved spokes Hubs have steel cap, bands and boxes. Red with black striping.

No.		Wt. each	Each
13	**Farm Wagon**	35 lbs	$8.50
	Extension Seats		1.00
	Extension Tops		1.00
	Shafts		1.00

CYCLE HORSES



No. 1

A new pedal drive vehicle for boys or girls A decided hit with the "kiddies." Horse, size 22x15 in.; made of selected wood with cast steel legs; painted black with striping imitating harness; mane and tail are real hair; lines triple thick duck, double sewed. Sulky all steel frame, painted red and striped. Seat board has shaped front and is mounted with nickel-plated railing. Wheels 12 in. rear and 8 in. front with ½ in. rubber tires, enameled red.

No.		Wt. each	Each
1	**Cycle Horse**	26 lbs	$12.00

One in a crate.

WHEEL GOODS

PIONEER CONVERTIBLE COASTERS

NOS. 51 AND 52

Every good feature in construction, material and finish, with roller bearing artillery wheels and nickel-plated hub caps. Spokes seasoned hickory, mitered and machined.

No.	Size of body	Size of wheels	Wt. each	Each
51	14x32 in.	8 in.	25 lbs.	$5.20
52	14x34 in.	10 in.	30 lbs.	5.75

Packed for shipment in sealed dustproof cartons. No. 51, two; No. 52, one in a carton.

PIONEER CALIFORNIA COASTERS

NOS. 11 AND 11½

Top boards one piece selected lumber, dressed ⅞ in. thick. Painted red, striped and ornamented. Gears hardwood bolsters attached to axles with malleable iron clamps. Axles are bright cold drawn steel absolutely true. Roller bearing wheels, black enameled and with rims ⅛x⅞ in. oval steel.

No.	Length, top board	Size wheels	Wt. each	Each
11	32 in.	12 & 14¾ in.	30 lbs.	$7.25
11½	42 in.	14 & 16 in.	40 lbs.	8.50

With steering wheel instead of tongue.

No.	Length, top board	Size wheels	Wt. each	Each
12	48 in.	14 & 16 in.	45 lbs.	$9.50

Two in a crate.

TOY DUMP CARTS

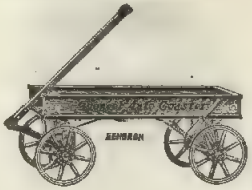
NOS. 21 AND 22

Body one piece steel, painted red. Steel axles and steel wheels, hardwood handles, natural finish.

No.	Size Box	Size Wheels	Wt. per crate	Per doz.
21	7x10x3 in.	6 in.	27 lbs.	$ 9.20
22	9x14x4 in.	8 in.	20 lbs.	15.50

No. 21, one dozen; No. 22½, one-half dozen in a crate. Do not break crates.

PIONEER AUTO COASTERS



NOS. 0 TO 4

Similar in construction to the convertible coaster. Bed finest grade of selected ash, finished in natural grain. Every good feature in construction, material and finish, with roller bearings and nickel-plated hub caps. Spokes seasoned hickory, mitred and machined; bed white ash, finished in natural grain.

No.	Size of body	Size of wheels	In carton	Wt. per carton	Each
0	12x28 in.	8 in.	2	42 lbs.	$6.00
1	14x32 in.	8 in.	2	50 lbs.	7.25
2	14x34 in.	10 in.	1	30 lbs.	8.00
3	16x38 in.	10 in.	1	34 lbs.	8.75
4	18x40 in.	12 in.	1	40 lbs.	9.75

Nos. 1 to 4 have hub brake; No. 0 no brake.

TOY BARROWS

No. 00

Body, sheet steel, 14 in. long, 11 in. wide, 3 in. deep. Handles of hardwood, 30 in. long. Wheels 8 in. diameter with 8 double spokes and oval steel rim.

No.	Wt. per dor.	Per doz.
00	40 lbs.	$7.20

One-half dozen in a crate.

GARDEN BARROWS

NOS. 5 TO 9

Frame natural wood, handle tips painted black, bodies sheet steel. Vermillion color, striped and varnished.

No.	Size box	Length handle	Size wheels	Wt. per crate	Per doz.
5	8x11 in.	30 in.	8 in.	19 lbs.	$13.20
6	9x12 in.	29½ in.	8 in.	29 lbs.	16.80
7	11x14 in.	32 in.	10 in.	43 lbs.	18.80
8	13x16 in.	35 in.	12 in.	53 lbs.	21.25
9	15x18 in.	38 in.	14 in.	59 lbs.	25.00

One-half dozen in a crate

CORN HOOKS

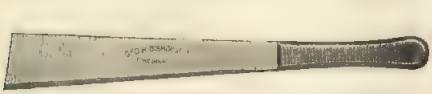
Serrated Edge

No 5CH. Tempered steel blades, straight handles Per Doz. $6 00

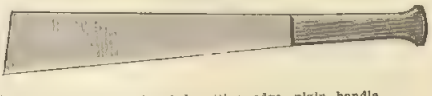
Plain Edge

No 2CH. Tempered steel blades, natural finish straight handles Per Doz $5 00

CORN KNIVES



No. 2. Polished blade, beveled cutting edge, varnished handle .. Per Doz $4 00



No. 8. Red blade, beveled cutting edge, plain handle Per Doz. $3 00

CORN HUSKERS

"Boss" 2000

"Boss" 200

Style 2000. Reliable three compartment pin of simple construction. Cut from super-grade Chrome Mule-skin with lace thong adjustment.....Per Doz. $1 20
Three Dozen in a Box

Style 200. "Boss" Patent. Heavy sheet metal pin, optional two or three compartments. Single strap sliding link with buckle adjustment at base of forefinger guard. 2¼ inch forefinger guard, hand strap and hand protector of best chrome grain calf Per Doz. 2 40
One Dozen in a Box.

"Boss" "E"

Style E. "Boss" Patent. Hand strap adjustable through slots in leather guard to suit any size forefinger and strapping detachable to make this wearable over either glove or mitten. Sliding sleeve, clamp thumb nut and clamp sleeve, all of best brass and has blued set screw end of threads.....Per Doz. $4 80
One Dozen in a Box

"Boss" 4000

Style 4000

"Boss" Patent. Finger and thumb cots of chrome glove kip, steel rivets and steel washer protection, in combination with a reliable three-compartment pin of simple construction, having lace thong adjustment. Has "Boss" Patent sliding strap adjustment on wristband Per Doz. $6 00
One Dozen in a Box.

CORN PLANTERS

Acme No. 306

Acme No. 311

Acme No. 306. Pressed steel box and slide steel jaws; hardwood frame and handles; light weight and most popular Planter ever sold. Weight each 4 pounds Each $1 25

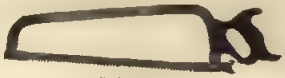
Acme No. 311. A light, strong and accurate Planter; steel working parts, galvanized box Its weight, 5 pounds, makes it an ideal one-handed Planter Each 1 50

PRUNING SAWS

No. 16—California

Length, In	12	14	16
Wt. Per Doz., Lbs.	7½	8½	9½
Per Doz.	$6 50	$7 50	$9 00

Half Dozen in a Box



Swivel Blade

No. 25. Flat steel back. Length 14 in. The blade acting on swivel enables the cutting edge to be placed in any position Wt. per doz., 20 lbs

Half Dozen in a Box Per Doz. $16 00

Extra Blades. 14 in. Wt. per doz ⅜ lb. Per Doz. 3 50

No. 15—Duplex

Beech Handle, Three Screws

Length Blade, Inches	16	18	20
Weight per dozen, pounds	8	8½	9½
Per Doz.	$7 50	8 25	9 00

Half Dozen in a Box

HAY KNIVES

Lightning. Made of high grade tool steel, hardened and tempered like a scythe and ground sharp Wt per doz., 80 lbs. Per Doz. $12 00

Iwan's. Made of tool steel, has sectional blades with serrated waving edge and adjustable handles with wood grips Wt. per doz., 71 lbs. Per Doz. $20 00

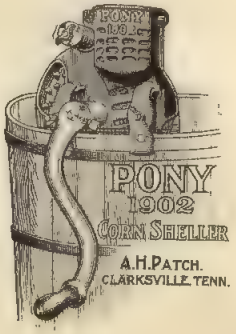
One Dozen in a Box

CORN SHELLERS

PATCH BLACKHAWK

Blackhawk. Capacity 10 to 14 bushels per hour; throws out the cob; japanned malleable iron castings; hardened bearings, chilled grinders; adjustable hopper; width 3½ inches, depth 4 inches; pressure regulated by heavy wire coil spring; steel axle with 4 inch bearings; length over all 12 inches, width 10 inches, length of crank 11 inches; weight each 19 pounds Per Doz. $37 00

Half a Dozen in a Barrel, Weight per Barrel 113 Pounds

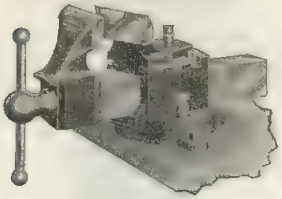


PATCH PONY

Pony. Same description as Blackhawk, but slightly smaller dimensions; capacity 6 to 10 bushels per hour; weight 14 pounds ...Per Doz. $31 00

COACH-MAKERS' VISES

PRENTISS SELF-ADJUSTING

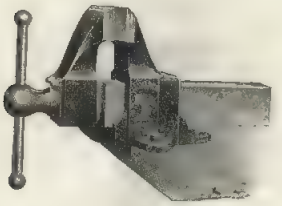


No. 26—SWIVEL BASE

Patent swivel bottom; self-adjusting jaw Jaws have large surfaces, finished perfectly smooth, which protects the work from injury. Self-adjusting jaw easily and firmly holds articles of any shape.

No.	Jaws	Opens	Weight	Each
26	4½ in.	9½ in.	67 lbs.	$26.00

PRENTISS "MONARCH"

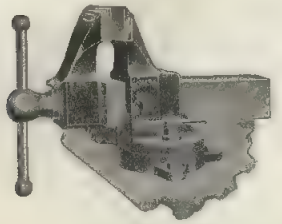


No. 229—STATIONARY BASE

Stationary base; solid jaw, parallel.

No.	Jaws	Opens	Weight	Each
229	4½ in.	9 in.	48 lbs.	$19.00

PRENTISS "MONARCH"



No. 230—SWIVEL BASE

Swivel base; solid jaw, parallel.

No.	Jaws	Opens	Weight	Each
230	4½ in.	9 in.	58 lbs.	$23.00

COMBINATION PIPE VISES

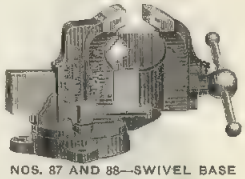
PRENTISS "MONARCH"

NOS. 401 TO 403—SWIVEL BASE

Reversible pipe jaws, milled from tool steel.

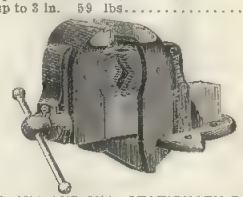
No.	Takes pipe	Jaws	Weight	Each
401	⅛ to 2½ in.	3½ in.	44 lbs.	$16.00
402	⅛ to 3 in.	4½ in.	65 lbs.	23.00
403	⅛ to 4 in.	5 in.	110 lbs.	32.00

GENUINE PARKER



NOS. 87 AND 88—SWIVEL BASE

No.	Jaws	Holds pipe	Wt. each	Each
87	3⅝ in.	up to 2 in.	41 lbs.	$16.00
88	4⅛ in.	up to 3 in.	59 lbs.	22.00



NOS. 88½ AND 89½—STATIONARY BASE

No.	Jaws	Holds pipe	Wt. each	Each
88½	4⅜ in.	up to 4 in.	94 lbs.	$32.00
89½	5⅜ in.	up to 6 in.	141 lbs.	15.00

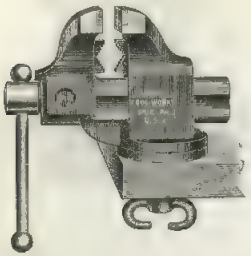
PEERLESS PIPE GRIPS

All cast steel. Can be applied to any vise, converting it into a pipe vise. No. 1 fits any vise with jaws from 3 to 4¾ in. No. 2 fits any vise with jaws from 5 to 6⅛ in.

No	Holds pipe	Wt. per set	Per set
1	¾ to 2½ in.	7 lbs.	$5.00
2	¾ to 5 in.	10¾ lbs.	5.50

PIPE VISES

ERIE COMBINATION

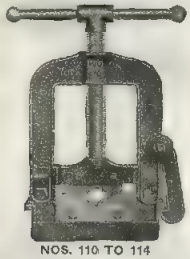


NOS. 00C TO 3C—SWIVEL BASE

Pipe jaws tool steel, carefully hardened and tempered. All parts are guaranteed

No.	Width jaws	Capacity pipe	Wt. lbs.	Each
00C	2½ in.	⅛ to 1 in.	20..	$10.00
0C	3 in.	⅛ to 1½ in.	24..	12.00
1C	3½ in.	⅛ to 2 in.	29..	16.00
2C	4 in.	⅛ to 3 in.	40..	22.00
3C	5 in.	⅛ to 4 in.	79.	32.00

ARMSTRONG PATTERN



NOS. 110 TO 114

Malleable iron body, tool steel jaws.

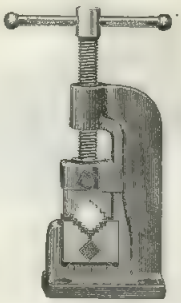
No.	Holds pipe	Wt. each	Each
110	⅛ to 2 in.	4½ lbs.	$ 3.50
111	⅛ to 2½ in.	9 lbs.	4.00
112	⅛ to 3½ in.	15 lbs.	6.25
113	¼ to 4½ in.	19 lbs.	8.75
114	1 to 6 in.	36 lbs.	22.50

TOLEDO

Malleable iron frame and base, black finish. Polished steel lever and screw. Drop forged steel jaws. Will hold pipe, valves, fittings and everything that will go inside the jaws.

No.	Holds pipe	Wt. each	Each
1T	⅛ to 2½ in.	16 lbs.	$10.00
2T	⅛ to 4½ in.	49 lbs.	20.00

HANDY



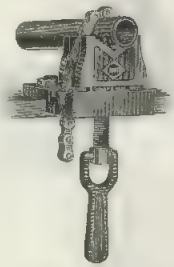
No. 200

For electricians and pipe fitters. Hardened tool steel jaws, black enamel finish.

No.	Holds pipe	Wt. each	Each
200	⅛ to 1 in.	4 lbs.	$3.00

One in a box

VULCAN CHAIN



NOS. 101 TO 104

Made from wrought steel, drop forged jaws, tempered.

No.	Holds pipe	Wt. each	Each
101	⅛ to 2 in.	4 lbs.	$ 3.50
102	¼ to 4 in.	10 lbs.	7.50
104	⅝ to 8 in.	30 lbs.	18.00

WHITTINGTON HAND

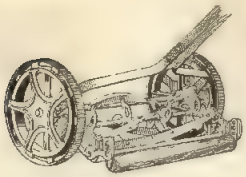
No. 1W

Special steel jaws, brass bushings, brass lined slides, automatic grip, cannot slip or crush the pipe. Convenient for pocket or tool bag. Highest quality and finish. **Fully warranted.**

No.	Holds pipe	Wt. each	Each
1W	¼ to 1½ in.	4 lbs.	$3.50

LAWN MOWERS

ADMIRAL.

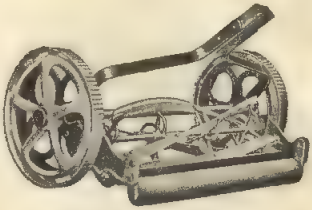


Ball Bearing

Is strictly a high grade mower, very beautiful and graceful in design Wheels 10½ inches in diameter, reel, 6 inches in diameter, containing 4 knives made of highest grade crucible steel, oil tempered Ball bearing parts guaranteed. Finish, gold bronze and sky blue, decorations, silver bronze and blue

Size, In.	14	16	18
Wt., Lbs.	51	54	58
Each	$7 50	$8 00	$9 00

FENDEN.



Has high grade knives and new type raised cutter bar, giving a perfect shear cut. High drive wheels produce much higher speed than in ordinary mowers Automatically adjusts itself to wear and can be operated by a child Finish, dark green and gold bronze trimmings and white drive wheels Wheels, 10½ inches with case hardened pinions and pawls

Size, In.	14	16	18	20
Wt., Lbs.	55	58	61	65
Each	$13 00	14 00	15 00	16 00

LAWN MOWER PARTS

We carry a complete stock of ALL the parts for our entire line of mowers and can furnish them promptly at reasonable prices

GRASS CATCHERS

Nox-All

No **1.** Adjustable frame of galvanized wire, plain white twill, 9 in. deep, 13 in. wide at back, 18 in. long. Adjustable to fit mowers from 12 to 16 in. Wt. each, about 15 lbs.....Per Doz. $6 25

No. **2.** Same as No. 1 except 22 in. wide at back and adjustable to fit mowers from 16 to 20 in. Wt. per doz., about 18 lbs. .....Per Doz. 6 75

Four Dozen in a Crate

Nox-All

No. **500.** Collapsible frame of galvanized wire: galvanized iron bottom; fine quality blue and white duck, 13 in. deep, 19½ in. wide, 17 in long, adjustable to fit mowers from 12 to 16 in.; steel coil wire spring takes up the adjustment, holds the catcher securely in place. Wt. per doz., about 45 lbs Per Doz $11 00

No. **510.** Same as No. 500, except 23½ in. wide, and adjustable to fit mowers from 16 to 22 in. Wt. per doz., about 50 lbs. .....Per Doz. 12 00

Two Dozen in a Crate

Nox-All

No. **1000.** Collapsible frame of galvanized wire; galvanized iron bottom with slots; fine quality white duck, 13 in deep, 17 in. long, 19 in. wide; adjustable to fit mowers from 12 to 16 in. Wt per doz about 40 lbs. .....Per Doz. $12 00

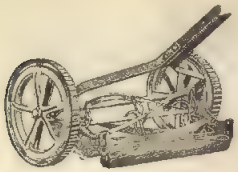
No. **1010.** Same as No. 1000, except 13 in. deep, 17 in. long, and 23 in. wide; adjustable to fit mowers from 16 to 20 in. Wt. per doz., about 45 lbs. .....Per Doz. 13 50

Two Dozen in a Crate.

LAWN MOWERS

Every F. & N. Lawn Mower is self-adjusting and at all times is kept in perfect adjustment. It is maintained by a series of sleeves and babbited bushings which require no work on the part of the user. Being self adjusting the Mowers are therefore self-sharpening and these two features together with its beautiful appearance and long life of all parts makes this undoubtedly the finest line of Mowers ever offered the trade.

ALKI

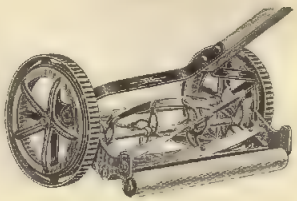


Plain Bearing

Has revolving reel containing four knives of high grade steel carefully tempered and spirally formed; adjustable bushings for taking up wear, all parts are machined and fitted to insure accurate construction; drive wheels 8½ inches in diameter; reel 5½ inches diameter. Finish, apple green and gold bronze

Size, In.	12	14	16
Wt., Lbs.	40	43	45
Each	$4 00	4 25	4 50

OLYMPIC

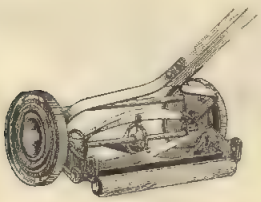


Ball Bearing

Is strictly a high grade Mower, very beautiful and graceful in design. Wheels 10½ inches in diameter, reel, 6 inches in diameter, containing 4 knives made of highest grade crucible steel, oil tempered. Ball bearing parts guaranteed. Finish, light green, white and gold bronze, white enameled handles.

Size. In.	14	16	18
Wt., Lbs.	51	54	58
Each	$7 50	8 00	9 00

CLOVER LEAF.

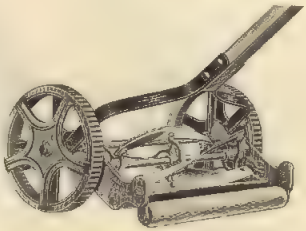


Plain Bearing

Has revolving reel containing three knives of high grade steel carefully tempered and spirally formed; adjustable bushings for taking up wear; all parts are machined and fitted to insure accurate construction; drive wheels 8½ inches in diameter; reel 5½ inches diameter. Finish, apple green and gold bronze.

Size, In.	12	14	16
Wt., Lbs.	40	42	45
Each	$3 50	$3 75	$4 00

DIRECTOR



Ball Bearing

This is a light ball bearing mower suitable for small lawns and terraces, has tool steel bearings and cones; 9 inch drive 4 cutting blades of crucible steel, oil tempered. Finish, red and gold bronze.

Size, In.	14	16	18
Wt., Lbs.	48	51	55
Each	$6 50	7 00	8 00

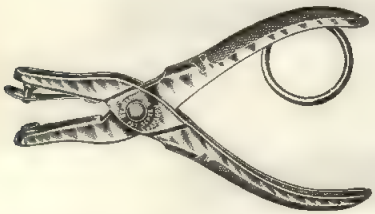
TICKET PUNCHES

No. **11½.** Full nickel plated, assorted fancy designs, reach 1 inch. ..... Per Doz. $9 00

No. **22½.** Full nickel plated, reach ⅞ inch, fancy designs, assorted ..... Per Doz. $15 00

No. **14.** Full nickel plated, assorted designs, 1½ inch slot; a heavy punch for surface roads, etc. Per Doz. $18 00

No. **34.** Full nickel plated, assorted designs, for street car transfers and other tickets..... Per Doz. $24 00



No. **250.** Full nickel plated, assorted designs, length 5 inch, reach 1 inch ..... Per Doz. $4 50

No. **1.** Conductors, full nickel plated, assorted, fancy designs, length 4 inches, slot 1 inch ..... Per Doz. $24 00

CUTTING NIPPERS

Carews

Forged from crucible steel, jaws are hardened and tempered.

Length, Inches	6	8	10	12	14
Each	$3 50	4 00	4 50	5 25	6 00
Extra Jaws. Per Pair	1 00	1 10	1 20	1 30	1 40

Nettleton

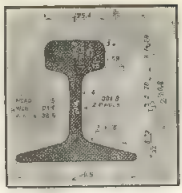
Forged steel, reversible jaws.

No.	108	110	112
Length, Inches	8	10	12
Each	$2 50	3 00	3 50
Extra Jaws. Per Pair	0 90	1 00	1 15

STEEL T RAILS

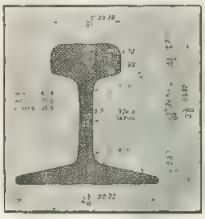
8 lb. (Illinois section.)

8 lbs. per yard. In 20 ft. lengths One mile of single track weighs 12.57 gross tons One gross ton will lay 420 ft. of single track. See table below for information on spikes, bolts and fish plates.



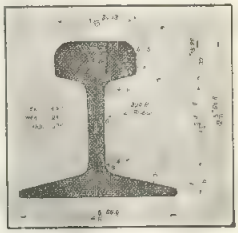
12 lb. (Illinois section.)

12 lbs. per yard In 16 or 20 ft lengths One mile of single track weighs 18 86 gross tons One gross ton will lay 280 ft of single track. See table below for information on spikes, bolts and fish plates.



16 lb. (Illinois section.)

16 lbs. per yard. In 16 or 20 ft. lengths. One mile of single track weighs 25 14 gross tons. One gross ton will lay 210 ft of single track. See table below for information on spikes, bolts and fish plates.



20 lb. (Illinois section.)

20 lbs. per yard. In 16 or 20 ft lengths. One mile of single track weighs 31 43 gross tons One gross ton will lay 169 ft. of single track See table below for information on spikes, bolts and fish plates.

FISH PLATES

Complete with bolts.

For 8 lb. rail	Per set $	For 12 lb. rail	Per set $	For 16 lb. rail	Per set $	For 20 lb. rail	Per set $

TRACK SPIKES

For prices, see page 367.

TRACK BOLTS

For prices, see page 345.

STANDARD EQUIPMENT FOR STEEL T RAIL

Weight per yard, lbs.	Length of rail	Rails required per mile of track	Fish plates	Fish plate bolts		Spikes	
			Pounds per mile	Size	Number per mile	Size	Pounds per mile
8	20	528	720	7/8 x1 1/2	2150	7/16 x3 1/2	2100
12	20	528	1070	7/8 x1 1/2	2150	9/16 x3 1/2	2700
16	20	528	1540	5/8 x1 7/8	1780	5/8 x4	3300
20	20	528	1925	5/8 x1 7/8	1780	5/8 x4	3300
30	30	352	3700	5/8 x2 3/4	1450	7/16 x4 1/2	4200
35	30	352	4400	5/8 x2 3/4	1450	9/16 x4 1/2	4500
40	30	352	4610	5/8 x2 3/4	1450	1/2 x4 1/2	4500
50	30	352	7000	3/4 x3 1/4	1450	7/16 x5 1/2	6000
60	30	352	8300	3/4 x3 3/4	1450	1/2 x5 1/2	6000

FLAT TRACK IRON

Punched and countersunk. For tramways, mines, etc.

	Per 100 lbs.
1/4 x1 1/4 in. 1/4 in. holes, 18 in. apart, punched and countersunk	$
1/4 x1 1/2 in. 1/4 in. holes, 18 in. apart, punched and countersunk	$

Weights, 1 1/4 in., about 1 lb.; 1 1/2 in., about 1 1/4 lbs. per lineal foot. Other sizes punched to order. For track nails for use with above, see page 367.

BURDEN'S "NEW" HORSESHOES

IRON

EXTRA LIGHT, LIGHT, MEDIUM AND HEAVY

FRONT

HIND

EXTRA LIGHT

Nos.	0	1	2	3	4	5	6
Front Wt. ea., ozs.	11	13	15	18	22	27	32
No. in keg	146	123	107	89	73	59	50
Hind—Wt. ea., ozs.	10	11	13	16	20	24	29
No. in keg	160	146	123	100	80	67	55

LIGHT

Nos.	0	1	2	3	4	5	6
Front—Wt. ea., ozs.	12	14	17	20	24	29	36
No. in keg	133	114	94	80	66	55	44
Hind—Wt. ea., ozs.	10	11	14	18	22	27	32
No. in keg	100	137	114	88	73	59	50

MEDIUM

Nos.	1	2	3	4	5	6	7
Front—Wt. ea., ozs.	17	20	25	29	35	42	49
No. in keg	94	80	64	55	46	38	33
Hind—Wt. ea., ozs.	14	16	20	24	29	34	38
No. in keg	114	100	80	66	55	47	42

HEAVY

Nos.	1	2	3	4	5	6	7	8
Front—Wt. ea., ozs.	19	23	27	33	39	46	52	57
No. in keg	84	69	59	48	41	34	30	27
Hind—Wt. ea., ozs.	15	18	23	27	37	38	43	49
No. in keg	106	88	70	59	50	43	42	33

100 lbs. in a keg, or can be assorted, front and hind, in equal numbers.

LONG HEEL, LIGHT

Nos.	2	3	4	5	6
Front—Wt. ea., ozs.	20	22	27	32	38
No. in keg	80	73	60	50	42
Hind—Wt. ea., ozs.	18	20	24	29	36
No. in keg	78	73	68	55	44

NEW EASY

Nos.	1	2	3	4	5
Front—Wt. ea., ozs.	12	14	18	22	25
No. in keg	133	114	90	80	64
Hind—Wt. ea., ozs.	10	12	15	18	21
No. in keg	160	133	107	90	73

100 lbs. in a keg, or can be assorted, front and hind, in equal numbers.

COWBOY, PLAIN

No.	Wt. of each shoe, ozs.	Average No. in ea. keg
00	8	200
0	9	177
1	11	145
2	13	123
3	15	106

COWBOY, CALKED

No.	Wt. of each shoe, ozs.	Average No. in ea. keg
00	8	200
0	9	200
1	11	145
2	13	123
3	15	106

MULE

No.	Wt. of ea. shoe Lbs.	Ozs.	Avge. No. in ea. keg
1		11	145
2		13	123
3		15	107
4	1	2	90
5	1	6	73
6	1	13	55

How to Put "Pep" Into Your Customers' Cars

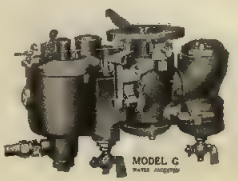
YOU can enjoy hearing that r-r-r-r-r-r-r-r of the engine, that tells of every part working in harmony and with willing power for any task of the road.

You have the expert knowledge; "you're the doctor." You know what ails your customers' cars. Most often it's the want of a good carburetor. Correct the fault with a

RAYFIELD CARBURETOR

It has a wonderful faculty for transforming low-test gasoline into a powerful mixture. There's no trouble on long or high climbs.

Rayfield gives the range to idle or speed with a standard adjustment. It gives quick starting and pick-up, and guarantees 20 to 50 per cent greater mileage per gallon.



We authorize all Rayfield dealers to sell on this unconditional guarantee:

If the purchaser is not absolutely satisfied after running his car 30 days, the carburetor is to be taken back and money refunded without question.

We stand back of every dealer who offers this broad guarantee.

Findeisen & Kropf Mfg. Company
2107 Rockwell St., Chicago

BRANCH
1140 Michigan Ave., Chicago

RAY WORM UNIT

Makes the Ford into a

One-Ton Worm-Drive Truck

Shaft Drive *No Chains*

List Price, $375

DEALERS!

You will readily appreciate the selling advantages offered you by being in a position to furnish a unit that makes a Ford into a really high-class truck.

The Ray Worm Unit will make big sales and profits.

Our policy is to give our dealers substantial discount. We realize that our success is due to the effort of our dealers and we are making it well worth their while to represent us.

Good Territory is Still Open!

If you want to tie up with a live proposition in your territory get in touch with us at once.

Applications will be acted upon in the order of their arrival.

Some dealers in your territory may be writing today. You had better wire us NOW.

Rayford Truck & Tractor Co., Inc.

2nd & Indiana Avenue, Philadelphia

HUMMER FOOT POWER GRINDER

No. 271C.

HUMMER.

No. **271C.** Equipped with adjustable tool rests and two grinding wheels, one medium and one coarse grit, each 5x1⅝ in. High speed, all steel, shaft drive, the grinder head swivels to any position. Weight, boxed, 87 pounds. Each $19 00

HUMMER

No. **278C.** Farmers Outfit. Consists of No. 271C and in addition 1 razor hone, 1 scythe stone, 1 carborundum saw gumming wheel, 1 felt polishing wheel, 5x1 in., 1 fine carborundum wheel, 5x1⅝ in., 1 cloth buffing wheel, 1 oil stone, 1 pocket hone, 1 sickle grinding attachment and 1 disc grinding attachment. Weight, each boxed, 103 pounds.....Each $24 00

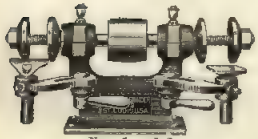
HUMMER FOOT POWER GRINDER

No. 70C

Operated with one foot treadle and spiral gear shaft. Grinder is ball bearing and dust proof and is equipped with two carborundum wheels 1¼x7 in., one fine and the other coarse. Fitted with two adjustable tool rests, also chisel and bit grinding guide. Height 40 inches and can be fastened against the wall.

No. **70C.** Weight, boxed, 68 pounds.....Each $17 00

GRINDER HEADS



Nos. 1 and 2

No. 3

Showing No. 3 with Column

These machines are moderate in price yet are not cheap in any sense. They are of excellent design and made of good materials. The arbors are of high carbon steel and threaded with Acme thread. High grade bearings. Positive lubrication assured. Machines equipped with back rest for guards. Well finished and painted with rust-resisting compound.

No.	For Wheels	Diameter Arbor	Length Arbor	Each Without Stand	Each With Stand
1	6x1½	⅝	18	$6 00	$.....
2	10x1½	⅝	17	8 00	.....
3	12x3	1	23	12 00	19 00

No. 3 is furnished with Tight and Loose Pulley.

WATER MOTORS

RED DEVIL

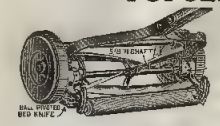
This Motor develops more power than any other Water Motor. Can be attached to faucet. Will develop one-fourth horse power on an 80 pound pressure.

No. **1992.** 6 inch .....Each $8 00

LAWN MOWERS

Compare this line of lawn mowers, item for item, with any other jobber's line in the country and you'll find you can't beat these average values. The prices are right, the mowers guaranteed and if you will compare specifications you'll find our line includes many special features. Order your lawn mowers from this page. A trial will convince you that our mowers are the key to bigger sales. **Note**—Our mowers have the new patent device on ball retainers, which makes adjusting unnecessary

POPULAR PRICED LAWN MOWERS



"Electric"—Ball Bearing Ratchet Mower Made exclusively for Sulky Brothers. The only ball bearing ratchet cones on the market at these prices. 5 in. drive wheels, 3 tool steel hardened and tempered blades are, bearings, quick adjustment, 5½ in. diam., revolving roller, ¾ in. center shaft, phosphor bronze journals, self sharpener, R. green body, gold trim. 1 in case

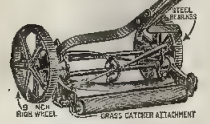
H9654—10 in. cut, 34 lbs.			Each	**$2.90**
H7854—12	"	37 "	"	**2.95**
H7855—14	"	39 "	"	**3.15**
H7859—18	"	41 "	"	**3.30**
H7597—18	"	43 "	"	**3.60**

"Terrace Special"—8 in. open drive wheels, 3 hardened and tempered crucible tool steel blades, 9 in. diam. revolving cutter adjustable sharpener, phosphor bronze journal, gold bronzed wheels, 1¼ blue cutting gear, red striped. 1 in case

H1032—13 in. cut, 34 lbs.			Each	**$2.85**
H1033—16	"	36 "	"	**3.10**
H1034—16	"	38 "	"	**3.25**
H1035—18	"	40 "	"	**3.40**

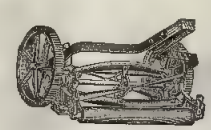
"Red Peerless"—9 in. drive wheels, 4 hardened and tempered steel blades, 5¼ in. diam. revolving cutter self sharpener, bronze journals, bright red body, gold trim. Cutters with new adjustment feature, to and from stationary blade, light and easy running. 1 in case

H7861—12 in. cut, 44 lbs.			Each	**$3.75**
H7862—14	"	42 "	"	**4.00**
H7863—16	"	48 "	"	**4.20**
H7864—18	"	50 "	"	**4.50**



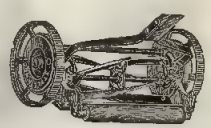
"Ripper"—3 carbon steel blades 16 in cut 5½ in. revolving cutter, 3 in open spoked wheel and side plate, ball pivoted bed knife, high speed self sharpener white frame, gold trim, gold cutting gear.

H7858—1 in case, 48 lbs. . . . . Each, **$3.85**



"Triumph"—8 in open drive wheels, 10 in cut. 4 hardened and tempered crucible steel blades, 5½ in. diam. revolving cutter, high speed ball pivoted body knife, white body, gold trim blue wheels, new adjustable feature.

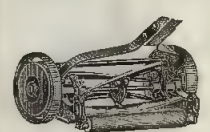
H1036—1 in case, 45 lbs. . . . . Each, **$4.20**



"High Wheel Park"—10 in drive wheels 4 carbon steel blades 6 in diam. revolving cutter, flexible steel pattern stationary blades with new adjustment feature, fits closer than any other silver bronze finish red trim drive wheels with gold bronze center. 1 in case

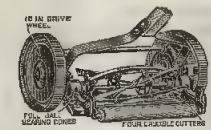
H7865—13 in. cut, 52 lbs.			Each	**$5.25**
H9656—15	"	54 "	"	**5.80**

"MOHAWK" BALL BEARING LAWN MOWERS



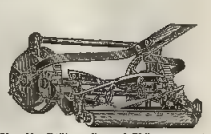
"Superior"—8 in. drive wheels, 4 crucible steel blades 5¼ in diam revolving cutter self sharpener, perfect adjustment, gold bronze body, silver and red trim. 1 in case.

H7866—14 in. cut, 40 lbs.			Each	**$4.75**
H7867—16	"	42 "	"	**5.10**
H7868—18	"	44 "	"	**6.35**



"Standard"—For high grass. 10 in open drive wheels, 4 crucible steel blades, 6 in diam revolving cutter, self sharpener perfect adjustment, full ball bearing hardened steel cones, gold bronze body, silver and red trim. 1 in case.

H9657—13 in. cut, 50 lbs.			Each	**$6.75**
H7869—16	"	54 "	"	**7.25**
H7870—20	"	70 "	"	**7.75**

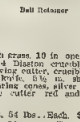


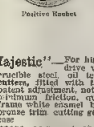
"King"—Built on lines of Phila mower train of gear 8½ in. drive wheels 18 in. cut. 4 revolving oil tempered blades cut smooth and polished, 6½ in diam cutter, bicycle dustproof tool steel ball bearing journals, drives from both ends, copper bronze finish silver bronze and green trim

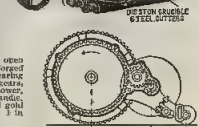
H7871—1 in case, 70 lbs. . . . . Each, **$9.75**

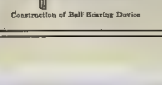
SPECIAL VALUES IN BALL BEARING LAWN MOWERS

Guaranteed. Each with hardened tool steel bearings. Blades forged from Dieston's crucible steel. Cut perfectly







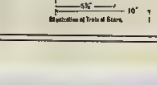


"Aero"—For high grass. 10 in open drive wheels, 4 Dieston crucible steel blades 6 in revolving cutter, crucible steel ball pivoted bed knife, 5½ in. shafting, dustproof ball bearing cones, silver bronze body, gold bronze cutter red and black striped. 1 in case

H7859—15 in. cut, 54 lbs.			Each	**$5.85**
H7860—18	"	56 "	"	**6.25**
H9655—20	"	60 "	"	**6.75**

"Majestic"—For high grass. 10 in open drive wheel, 5 hand forged crucible steel, oil tempered ball bearing cutters, fitted with triple train of gears, patent adjustment, not on any other mower, minimum friction, quartered oak handle, frame white enamel black stripes and gold bronze trim cutting gear gold bronze. 1 in case

H9658—16 in. cut, 65 lbs			Each,	**$13.25**
H7872—18	"	69 "	"	**14.00**



Fine Reed Fibre Desks, Chairs and Swings

Selected Material — **Finest of Workmanship and Finish**

1863 1917

Prices Each, F. O. B. Our Wisconsin Factory

DESK AND CHAIR

Desk—Selected white maple frame. Fine reed fibre back and stationery compartments. Quartered oak top. All posts and edge of top wound with reed fibre. Width of top, 27 inches. Total height, 35½ inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 25 pounds.

No. 4102 Brown, green or gray ..... each $18.10
No. 4102I White or ivory ..... each 21.80

Chair—Selected white maple frame. Fine reed fibre back, seat and apron. All posts wound with reed fibre. Width of seat, 16 inches. Height of back, 23½ inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 17 pounds.

No. 3402 Brown, green or gray .. each $14.75
No. 3402I White or ivory .. each 18.45

DESK AND CHAIR

Desk—Selected white maple frame. Fine reed fibre back, sides and apron. All posts wound with reed fibre. Quartered oak top and drawers. Width of top, 30 inches. Height, 36 inches. Made in brown, green gray, white enamel or ivory finish. Shipping weight, about 31 pounds.

No. 4142 Brown, green or gray ..... each $29.40
No. 4142I White or ivory ..... each 33.10

Chair—Selected white maple frame. Fine reed fibre back, seat and apron. Fine No. 1 grade cretonne upholstered back filled with kapoc. Width of seat, 19 inches. Height of back, 23½ inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 13 pounds.

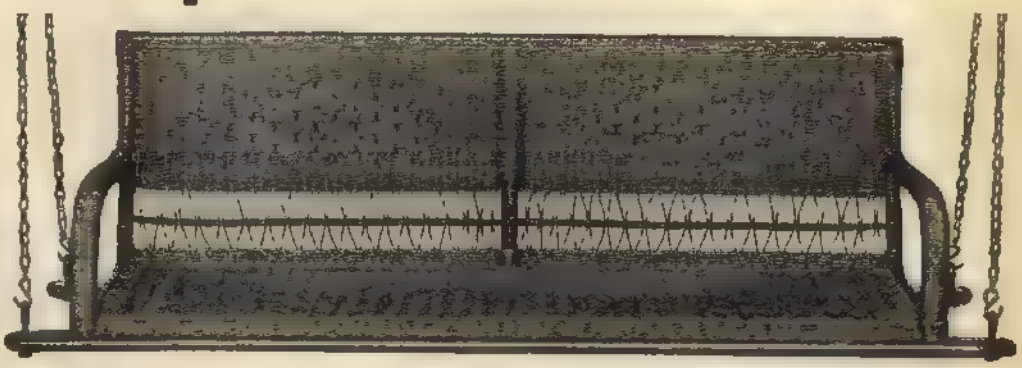
No. 9602 Brown, green or gray .. each $20.30
No. 9602I White or ivory ..... each 24.00

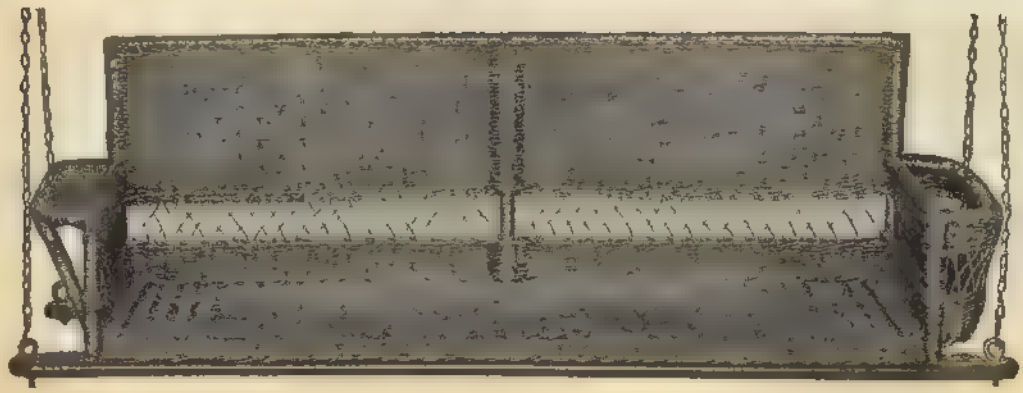
PORCH SWING

Selected white maple frame. Fine reed fibre back and seat. All posts wound with reed fibre. Heavy hardwood under posts. Depth of seat, 21 inches. Height of back, 19 inches. Made in three widths, 4-foot, 5-foot and 6-foot. Brown, green, gray, white enamel or ivory finish. Shipping weights: 4-foot, 38 lbs; 5-foot, 44½ lbs. 6-foot, 51 lbs.

No. 3902 4 Width 4 feet, brown green or gray. Each $31.75
White or ivory. Each 39.15
No. 3902 5 Width 5 feet, brown green or gray. Each $35.80
White or ivory. Each 43.20
No. 3902 6 Width 6 feet, brown green or gray. Each $39.95
White or ivory. Each 47.35

Above prices include chains and hooks.





PORCH SWING

Selected white maple frame. Fine reed fibre back, seat arm and pocket. All posts wound with reed fibre. Heavy hardwood underposts. Depth of seat, 21 inches. Height of back, 30 inches. Made in three widths, 4 feet, 5 feet and 6 feet. Brown, green, gray, white enamel or ivory finish. Shipping weight, 4-foot, 48½ lbs.; 5-foot, 52½ lbs., 6-foot 60 lbs.

No. 3912 4 Width 4 feet; brown, green or gray. Each $45.20
White or ivory. Each 52.60
No. 3912 5 Width, 5 feet, brown green or gray. Each $47.95
White or ivory. Each 55.35
No. 3912 6 Width, 6 feet; brown green or gray. Each $50.75
White or ivory. Each 59.15

Above prices include chains and hooks.

Fine Reed Fibre Novelties

Selected Materials. Finest of Workmanship and Finish

PRICES EACH F. O. B. OUR WISCONSIN FACTORY

SEWING TABLE

Selected white maple frame. Fine reed fibre sewing basket with lid. Reed fibre oval magazine shelf. All posts wound with reed fibre. Size of work basket [illegible] inches. Height [illegible] inches. Made in brown green, gray, white enamel and old ivory. Shipping weight, about [illegible] pounds.

No. 4322 Brown, green or gray ..... $ 8.70
No. 4322I White or ivory 12.40

STOOL

Selected white maple frame. Fine reed fibre apron. Posts wound with reed fibre. Fine No. 1 tapestry upholstering. Height, 16 inches; diameter, 13 inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about [illegible] pounds.

No. 9612 Brown, green or gray .....each $8.05
No. 9612I White or ivory. Each $9.90

STOOL

Selected white maple frame. Reed fibre top and apron. All posts wound with reed fibre. Height, 10 inches. Made in brown, green, gray, white or ivory finish. Shipping weight, about 8½ pounds.

No. 4202 Brown, green or gray. Each $7.95
No. 4202I White or ivory...each 9.80

MAGAZINE STAND

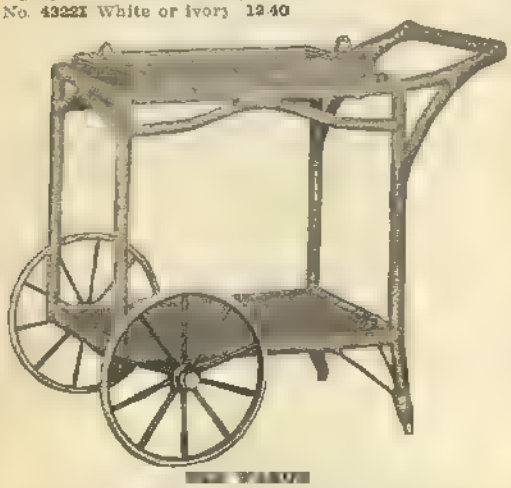
Selected white maple frame. Fine reed fibre sides and back. All posts, top and shelves wound with reed fibre. Quartered oak top and shelves. Size of top 18½x15 inches. Height 33 inches. Made in brown, green gray, white enamel or ivory finish. Shipping weight, about 30 pounds.

No. 4022 Brown, green or gray $24.75
No. 4022I White or ivory... 28.45

WASTE BASKET

Made of fine reed fibre. Height, 14 inches, diameter, 12 inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 5 pounds.

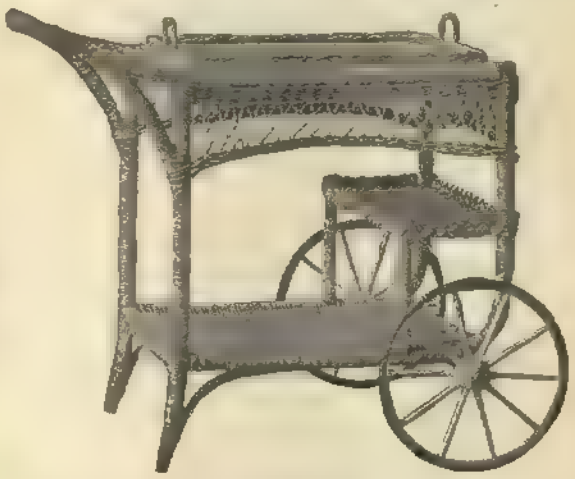
No. 4302 Brown, green or gray .....each $5.55
No. 4302I White or ivory. Each $7.40



TEA WAGON

Selected white maple frame. Fine reed fibre bottom shelf. All posts wound with reed fibre. Reed fibre bound tray with glass bottom size 16x22 inches. Large artillery wheels with heavy rubber tires. Total height 30 inches. Made in brown green, gray, white enamel or ivory finish. Shipping weight, about 28 pounds.

No. 4362 Brown, green or gray .....each $24.55
No. 4362I White or ivory .....each 28.25



TEA WAGON

Selected white maple frame. Fine reed fibre shelf and apron. All posts wound with reed fibre. Reed fibre bound tray with glass bottom, size 16x22 inches. Height, 30 inches. Made in brown, green, gray, white enamel or ivory finish. Large artillery wheels with rubber tires. Shipping weight, about 32½ pounds.

No. 4382 Brown, green or gray..... $29.25
No. 4382I White or ivory..... 32.95

JARDINIERE AND STAND

Selected white maple frame, [illegible] reed fibre [illegible] posts wound with reed fibre. Diameter, 16 inches. Total height [illegible] inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 17½ pounds.

No. 4042 Brown, green or gray $15.90
No. 4042I White or ivory. 19.50

FERNERY

Selected white maple frame. Reed fibre sides. All posts wound with reed fibre, [illegible] inches. Metal lining. Height [illegible] inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about [illegible] pounds.

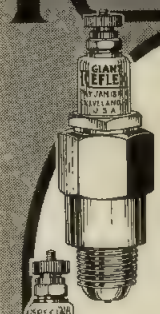
No. 4242 Brown, green or gray $20.30
No. 4242I White or ivory 24.00

FERNERY AND AQUARIUM

Selected white maple frame. Fine reed fibre sides, apron and shelf. All posts wound with reed fibre. Two fern compartments size [illegible] inches. Metal lined. One glass tank, size [illegible] inches. Total height, 31 inches. Made in brown, green, gray, white enamel or ivory finish. Shipping weight, about 44½ pounds.

No. 4342 Brown, green or gray..... $55.35
No. 4342I White or ivory. 59.05

REFLEX SPARK PLUGS



DEALERS

Investigate the Reflex Proposition

Right now is the time Reflex Dealers are making big sales and big profits. Now is the time car owners are getting ready for spring and summer driving. They need new spark plugs. They insist on better ones than furnished. More than 90% of all Reflex Plugs are sold by our dealers direct to car owners.

Highest quality—big profits—real sales assistance—spell success for Reflex Dealers. We want to tell you more about it. Write us today for full information.

The Reflex Ignition Co.
1712 Payne Avenue
CLEVELAND OHIO

"KEEP THE CAR ON THE GO"

REPUBLIC DISPATCH

The Fastest Selling 1500 Pound Truck

The superiority of the Republic Dispatch is so pronounced that it has leapt to the front and become the dominant truck of its capacity. It has been designed especially for this service, has all the constructional features which made the older Republic models famous and has back of it the tremendous Republic organization with its unequaled facilities for the prompt production of high-grade trucks in large quantities.

The 1917 output of the Republic Dispatch will be 12,000 and the indications are that this great quantity will be oversold long before the year has ended. This is the direct result of Republic performance and Republic price. How many of these 12,000 will you sell?

The price of the Republic Dispatch, complete, is only $795.

The other Republic models: 1, 1½, 2 and 3½ ton capacities.

VEHICLES FOR SERVICE
REPUBLIC MOTOR TRUCK CO. INC.
ALMA, MICH.

ROASTED PACKAGE AND BULK COFFEES

We grind to order when desired. Order package coffee from this page. The better values you can give will win new trade for you. The uniform quality that will be maintained will hold this trade for you. We do our own importing and packing, which accounts for the lower prices and better service we give you. Our roasted package coffees are in the lead. **Send for Samples.**

20c RETAILER

2Y5300 2Y5302

"ORINOCO"—Good body. Big selling 10c tin, 1lb package.

	Lb.
2Y5300—1 lb. bag	50 in pkg. $0.17
2Y5301—½ " "	100 " .17½
2Y5302—50 lbs. in paper lined burlap bag	.16½

25c RETAILER

2Y5403

"MARQUETTE"—Rich sweet full bodied Brazilian coffee. Best 25c coffee on the market.

	Lb.
2Y5303—1 lb. tin or bag	50 in pkg. @ 25
2Y5304—½ lb. tin or bag	100 in pkg. @ 25
2Y5405—25 lbs. in paper lined burlap bag	25c
2Y5406—50 lbs. in paper lined burlap bag	25c

30c RETAILER

2Y5402 2Y5315

"MONTEREY"—A blend for those who want something better than the regular run of roasted coffee.

	Lb.
2Y5401—1 lb. can	24 in case @ 23½
2Y5315—1 lb. bag	50 " pkg. 23
2Y5402—1 lb. bag	100 " pkg. 23
2Y5314—5 lb. fiber can	Lb. 23½
2Y5315—5 lb. towel bag	Lb. 23
2Y5316—4 lbs. in towel bag	Lb. 23c
2Y5400—25 lbs. in paper lined burlap bag	Lb. 21½
2Y5401—50 lbs. in paper lined burlap bag	Lb. 20½c

30c RETAILER

"LANDALAY"—Steel cut coffee in attractive one and three pound vacuum packed tins of high grade. Sold on a guarantee to please or money refunded. Worth more than it costs.

	Lb.
2Y5555—1 lb. can	12 in pkg. Lb. 23½c
2Y5556—3 " "	6 " " 23c

30c RETAILER

2Y5318 2Y5316

"OLD MECCA"—Carefully selected coffees of original and inland growths.

	Lb.
2Y5317—50 lbs. in paper lined burlap bag	Lb. 23c
2Y5316—5 lbs. in paper lined burlap bag	23½c
2Y5315—5 lbs. in paper lined tin can	23c
2Y5311—1 lb. vacuum packed can	23½c
2Y5310—1 lb. round can	12 in pkg. 24c
2Y5316—1 lb. round can	36 in pkg. 24c

"AROMALAND" COFFEE

A choice blending of Bourbon, Santos, Columbian, Sumatra and mild coffees.

40c Retailer

	Lb.
2Y5411—50 lb. burlap bag	Lb. $0.26½
2Y5414—5 " "	.27
2Y5413—1 " in 10 lbs in case	27½
2Y5412—1 " " 24 " "	" 28½
2Y5415—1 " " 12 " "	" 28½
2Y5416—1 lb. vacuum bag	27½

"DREAMLAND" COFFEE

A big value and delightful in the cup. A 35c retailer but you can make it a special at 30c lb.

2Y5568-70

"Dreamland"—

	Lb.
2Y5568—100 lb. burlap bag, paper lined	Lb. 21½c
2Y5569—50 lb. burlap bag, paper lined	Lb. 22c
2Y5570—5 lb. round can	Lb. 23½c
2Y5571—1 lb. round can	Lb. 23½c
2Y5572—½ lb. round can	Lb. 24c
2Y5573—5 lb. pail	Lb. 23c
2Y5570—5 lb. towel bag, (single or 6 in pkg.)	Lb. 22½c

2Y5565-67

35c or 38c RETAILER

2Y5420 2Y5410

2Y5410 2Y5411

"ARCADIAN"—A quality blend in which only the high cost coffees are used. Made in Butler perfection tins.

	Lb.
2Y5420—50 lbs. in paper lined burlap bag	Lb. 25½c
2Y5421—50 lbs. in paper lined burlap bag	Lb. 26c
2Y5411—1 lb. towel bag	" 27c
2Y5410—1 lb. round can	" 27c
2Y5412—1 lb. carton, 12 in case	" 27½c

"CONSUMER" COFFEE

High grade blend of Bourbon, Santos, Maracaibo and mild coffees, giving body and delightful flavor.

35c Retailer

2Y5430

2Y5431

2Y5432

	Lb.
2Y5426—1 lb. round tin can	50 in pkg. $0.26
2Y5427—1 " "	" .26½
2Y5428—1 " "	" .27
2Y5429—1 " "	" .28
2Y5430—1 " "	" .28½
2Y5431—1 " "	" .28½
2Y5432—1 " "	" .26
2Y5433—5 lb. in paper lined burlap bag	" .26
2Y5434—50 " " " " "	" .25
2Y5435—100 " " " " "	" .24
2Y5436—1 lb. towel bag	" .26½

"COMMONWEALTH" Coffee

A famous blend combining that smoothness, snap and aroma which is character istic of only the choicest coffees.

50c Retailer

2Y5435

2Y5436

2Y5437

	Lb.
2Y5434—1 lb. oval can	12 in pkg. Lb. $0.37½
2Y5435—1 " "	25 " " .36½
2Y5436—1 " "	6 " carton " " .35½
2Y5837—3 " "	1 " pkg. " " .36½
2Y5838—5 " towel bag	" " .35½

"OLYMPIA" 1917 MODEL BICYCLE

Perfectly balanced diamond frame model. A wheel of high tone and refinement, correctly trued and even running, beautifully finished. Fitted with handsome high quality equipment.

Absolutely Guaranteed

Compare this splendid wheel with the best others offer for the money!

Made in 26, 28 and 24 in. frame for MEN, 26 and 22 in. for WOMEN. Frame of 1 in. seamless tubing, flush joints, reinforced at connections.

SPECIFICATIONS

FINISH—Men's with 5 coats lustrous bright red baked enamel, black spear head and gold striping. Women's like Men's only black with silver blue head.

MUD GUARDS—Enameled to match, leather end mud flap.

STANDARD FORK CROWN—Improved nickel plated "Sundow," strongest made.

WHEELS—Standard 28 in., heavy nickeled spokes 32 front and 32 rear.

TIRES—Para... clincher a sensible size 2x1¾ in. made of ply fabric high grade inner tubes insuri... 60 extra service.

CRANK HANGER—1 piece drop forged, leather pattern 7 in.

CHAIN—English roller chain, ½x1 in. pitch.

CONES—Lathe turned, polished.

NUTS—Nickel plated.

TOOL BAG—All leather bag equipped with wrench, oil can and repair outfit.

PUMP—Telescope frame pump with clip.

GEAR—Standard 81, 26 tooth front, 9 tooth rear sprockets.

SADDLE—Messinger's air cushion spring suspension, solid cowhide top.

HANDLE BARS—Reversible and adjustable, extension 22 in., rubber grips.

PEDALS—"Olympia" rat trap, nickeled ball bearing.

HUB—N... Departure front and rear. With women's type saddle, black enameled frame with aluminum blue ... Each

MEN'S—Without brake.

	Each
K1414—20 in. frame,	$23.50
K1415—26 " "	
K1416—24 " "	

MEN'S—With "New Departure" Coaster Brake.

	Each
K1417—20 in frame	$26.00
K1418—22 " "	
K1419—24 " "	

WOMEN'S ... short and ... chain, otherwise as men's ... 20 in. ... with "New De... Each
... coaster brake ...
K1420—22 in frame with "New De... $27.50
... coaster brake

"ROYAL ROADSTER" 1917 MODEL BICYCLE

Absolutely Guaranteed

Improved in design, equipment and finish. Has every good feature of the "Royal Roadster" of the former season's together with many new refinements in materials and work manship.

Extra Service

No other wheel offered for the money has so many high class du... features. Fitted with the ... of time as equipment. Built to the highest standard of service after years of study and experiment.

SPECIFICATIONS

FRAME—20, 22 and 24 in. Arch Tube. Frame flush jointed 1 in. 20 gauge seamless tubing specially reinforced at all connections.

FINISH—7 coats of English brown baked enamel with enameled green stripe head and post mud riding ... other as the market offers it a color combination at the money.

MUD GUARDS—Enameled to match frame, with leather mud flap.

WHEELS—Standard 28 in., best quality nickeled spokes, 36 front and 40 rear, each having tensile strength of 650 lbs., enameled rims.

TIRES—"Paragon" Bull Dog Grip, extra heavy tread automobile type, size 2 in. in heavy single cotton casings with 3 ply fabric, giving 50% extra service.

FORK—3 bladed crown fork, raised nickel rib.

CRANK HANGER—1 piece, drop forged diamond pattern, 7 in.

GEAR—Standard 81, 30 tooth front, 9 tooth rear sprockets.

SADDLE—Messinger's double spring suspension saddle.

PEDALS—Imported English ball-bearing rat trap non slip.

HANDLE BARS—Ecclip "Elite," new type wide handle bar with Messinger's motor type leather grips.

HUB—S... Departure' front and rear ...

TOOL BAG—Messinger's leather oval tool bag with wrench, oiler and repair kit.

CHAINS—English steel roller chain ½x ... in pitch, easiest running and most durable made.

PUMP—Telescope frame pump with clips.

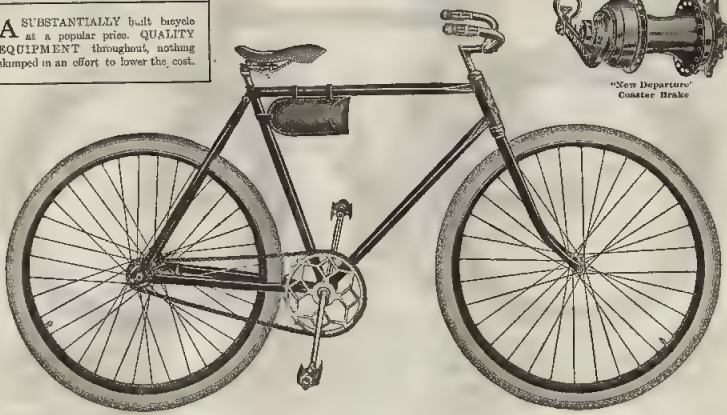
BELL—2¼ in. 'New Departure.'

	Each
K1424—Men's 20 in., with 'New Departure' Coaster Brake	$29.00
K1425—Men's 22 "	
K1426—Men's 24 "	

"MARATHON" 1917 MODEL BICYCLE
ABSOLUTELY GUARANTEED

A SUBSTANTIALLY built bicycle at a popular price. QUALITY EQUIPMENT throughout, nothing skimped in an effort to lower the cost.

"New Departure" Coaster Brake



SPECIFICATIONS

FRAME—20, 22 and 24 in. made of 1 in. 20 gauge seamless Shelby tubing, flush joints, 1 coat of anti-rust, [illegible]

FINISH—3 coats baked black enamel, red head gold edgings

WHEELS AND RIMS—Standard 28 in. 32 spoke front, 36 rear, wood rims enameled to match frame

TIRES—New "Conqueror" non-skid treat, Lee's single tube, guaranteed, injected with tire fluid preventing puncture proof

FORKS—Tapered sides, nickeled crown, standard

GEAR—Standard 81, 20 tooth front, 8 tooth diamond rear sprocket.

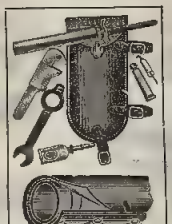
SADDLE—Messinger's full grain leather, blocked, coil spring

HANDLE BARS—Chicago, nickel plated, 20 in. extension post, leather wound grips with ferrules.

PEDALS—Marathon rat trap nickel plated ball bearing

HUBS—'New Departure' front and rear turned from solid bar

CHAIN—Diamond roller ½x1 in. pitch



SPECIFICATIONS

TOOL BAG—All leather with hand pump, wrench, oiler and kit

CONES—Lathe turned full polish

NUTS—All nuts, bolts and spokes are nickeled.

PRICES

	Each
K1400—Men's 20 in. without brake K1401—Men's 22 in. without brake K1402—Boy's 24 in. without brake	$20.50
K1403—20 in. with New Departure coaster brake K1404—22 in. with New Departure coaster brake K1405—24 in. with "New Departure" coaster brake	$23.00

"CLIPPER JUNIOR" 1917 MODEL BICYCLE

Duplicate of the "Marathon" bicycles described above. All the refinements of any full size wheel. Built to stand the hard knocks that "Junior" bicycles receive. Strong, safe and handsome. Complete with tool bag, pump and repair outfit. A big value on the present market.

ABSOLUTELY GUARANTEED

"Clipper Junior" Bicycle—K1449-7

SPECIFICATIONS

As "Marathon" Model, except handsome blue frame with red head edgings, gear 82, 20 tooth front, 9 tooth rear sprockets, 5½ in. crank.

BOYS' JUNIOR

K1440—16 in. frame, 24x1⅜ in. tire	Each,	$18.50
K1441—18 in. frame, 26x1½ in. tire	Each	$19.00
K1442—16 in. frame, 24x1⅜ in. tire, with New Departure coaster brake	Each	$21.00
K1443—18 in. frame, 26x1½ in. tire, with "New Departure" coaster brake	Each,	$21.50

GIRLS' JUNIOR

Drop frame, rear mud and shirt guard.

K1445—18 in. frame, 26x1½ in. tire	Each,	$20.00
K1446—16 in. frame, 24x1⅜ in. tire, with New Departure coaster brake	Each,	$22.00
K1447—18 in. frame, 26x1½ in. tire, with "New Departure" coaster brake	Each	$22.50

A Car in Which the Unusual Seems the Usual

What channels do your thoughts take in seeking to determine which motor car is to be **your** motor car?

Isn't it just barely possible that you allow this or that record established by a single car test to over-influence you?

Surely a safer, fairer way to estimate motor car values is on the average performance of thousands of cars of each make.

Then—and then only—can you feel certain that the car you settle on will live up to your hopes.

By all this we do not mean to imply that there is no value in single car tests. We ourselves from time to time have acquainted you with remarkable feats performed by Saxon "Six."

Once it was when Saxon "Six" won a noted hill climb in the East against many far higher priced cars.

Once it was when Saxon "Six" defeated by fifteen minutes over a 500-mile course a train which is the pride of the West.

Once it was when Saxon "Six" thrice vanquished costlier rivals in speed, acceleration and in hill-climbing at the San Diego Exposition.

But we merely cited these notable events as instances where Saxon "Sixes" had gone higher than their price class and yet triumphed.

And although you might safely form your decision in favor of Saxon "Six" on the basis of these facts—for they were accomplished in each case by stock model cars—still we would prefer that you concentrate your consideration on the averages of all Saxon "Sixes."

Ask yourself in what other car of like power and size 23 to 24 miles per gallon of gasoline wouldn't be unusual?

Yet recently 206 stock model Saxon "Sixes" in a 300-mile non-stop run proved their average to be 23.5 miles per gallon.

In what other car wouldn't acceleration from standing start to 50 miles per hour in less than 30 seconds be a remarkable feat? Yet this is the average acceleration for Saxon "Six."

The latest figures show that so far the average cost of repair parts for all Saxon "Sixes" in use during the past two years is $8.50 per car.

Wouldn't that be an unusual endurance record for a single car carefully driven and cared for? Yet it is the **average** mind you on thousands and thousands of Saxon "Sixes."

So it goes throughout Saxon "Six." In every phase of performance you'll find that its **average** would be noteworthy and unusual if established by another.

Saxon "Six" is $865; "Six" Sedan, $1250; "Four" Roadster, $495; f. o. b. Detroit. Canadian prices: "Six" Touring Car, $1175; "Six" Sedan, $1675; "Four" Roadster, $665. Price of special export models, "Six," $915; "Four," $495; f. o. b. Detroit. (884)

SAXON "SIX"

A BIG TOURING CAR FOR FIVE PEOPLE

SAXON MOTOR CAR CORPORATION, DETROIT

A Tribute to Superiority

Within the short period of six weeks since the New York Automobile Show (and only three weeks after the Chicago Show) contracts have been closed with dealers for MORE THAN ONE-QUARTER OF THE ENTIRE OUTPUT OF THE *AMERICAN SIX* FOR THE ENSUING YEAR.

These contracts have been entered into with automobile merchants of standing and responsibility whose applications for the agency representation of the AMERICAN SIX are in themselves a marked tribute to the superiority of this uncommon car.

SPECIFICATIONS IN BRIEF:

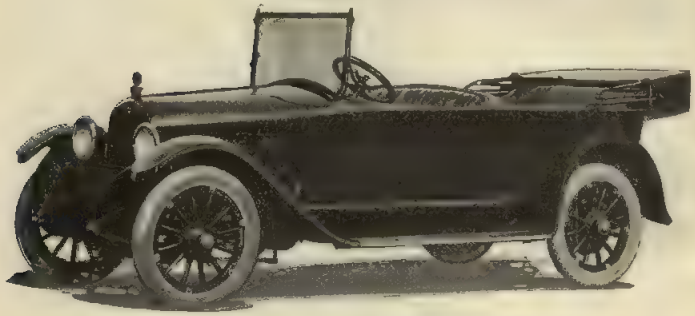
Power Plant—45 H. P. 3″ x 5″ motor, cast en bloc, upper half crankcase aluminum, three-point suspension, water completely around each cylinder and each valve seat, helical gears, Zenith Carburetor, Gray & Davis Electrical system, Willard battery. Size of valves, 1 $^{9}/_{16}$″. *Clutch*—Borg & Beck three dry-plate discs. Selective sliding gear, three speeds and reverse. *Axles*—front, one-piece drop-forged I-Beam; rear, three-quarter floating, spiral bevel gears, gear ratio $4^{6}/_{12}$ to 1. *Springs*—semi-elliptic, front, 38″x2″; rear, 52″x2″; Hotchkiss drive. *Wheelbase*—122″, tread 56″. *Wheels*—32″x4″. *Equipment* includes engine-driven tire pump and motometer. All dash instruments are assembled on one plate, making a drivable chassis.

ANNOUNCEMENT

To Eastern Dealers—On account of the location of the American Motors plant at Plainfield, N. J., deliveries of the AMERICAN SIX to Eastern dealers are guaranteed REGARDLESS OF FREIGHT CONDITIONS. Dealers in this territory who desire to ensure their supply of cars for the coming season are advised to communicate immediately with us.

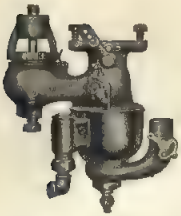
AMERICAN MOTORS CORPORATION

Plainfield, New Jersey, and New York



AMERICAN SIX $1285

SCHEBLER CARBURETORS



MODEL "R."

The Model "R" Schebler Carburetor is designed for use on both four and six cylinder motors. It is a single jet raised needle type of carburetor, automatic in action. The air valve controls the lift of the needle and automatically proportions the amount of gasoline and air at all speeds.

The Model "R" Carburetor is designed with an adjustment for low speed; as the speed of the motor increases the air valve opens, raising the gasoline needle, thus automatically increasing the amount of fuel. The Model "R" Carburetor has but two adjustments—the low speed needle adjustment, which is made by turning the air valve cap, and an adjustment on the air valve spring for changing its tension.

The Model "R" Carburetor has an eccentric which acts on the needle valve, intended to be operated either from the steering column or from the dash, and insures easy starting, as by raising the needle from the seat an extremely rich mixture is furnished for starting, and for heating up the motor in cold weather. A choker in the air bend is also furnished.

This Carburetor is made in four sizes: 1 inch, 1¼ inch, 1½ inch and 1¾ inch.

Model **R.**	1	Inch	Each	$18 75
Model **R.**	1¼	Inch	Each	20 25
Model **R.**	1½	Inch	Each	21 75
Model **R.**	1¾	Inch	Each	26 25

MODEL "D."

The Model D is the original Schebler Carburetor, simple of adjustment, and is especially adapted for marine motors, single or double opposed motors, stationary engines, and all motors where extreme low throttling conditions are not required. This Carburetor is made standard with the shutter air valve in the 1 inch and 1¼ inch sizes. The ¾ inch, 1½ inch and 2 inch sizes are standard with the flusher in the lid. If required other than standard, special instructions should be given on the order.

The air intake and throttle are interchangeable, and connections can be made to either vertical or horizontal manifolds The standard carburetor has the slide disk throttle in the horizontal position There are a number of different type butterfly throttles made for the Model D Carburetor The standard butterfly throttle has the standard iron pipe thread This Carburetor is manufactured in standard iron pipe sizes, viz.: ½ inch, ¾ inch, 1 inch, 1¼ inch, 1½ inch and 2 inch.

Model **D.**	½	Inch	Each	$ 9 75
Model **D.**	¾	Inch	Each	11 25
Model **D.**	1	Inch	Each	12 00
Model **D.**	1¼	Inch	Each	12 75
Model **D.**	1½	Inch	Each	16 50
Model **D.**	2	Inch	Each	33 00

MODEL "L" DASH CONTROL.

This Carburetor is also manufactured with a dash controlled air valve, this being operated by a lever which is controlled by a switch on the dashboard or steering post of the car. A dashboard adjuster or steering column control will be furnished with these carburetors when desired, and as these are separate articles they should be specified on the order. The dashboard adjuster, bell crank and steering column control are described on page .... On account of changes required in the body casting for the carburetor with the dash control it is not possible to place the dash control air valve on the Model L Carburetor originally built with the plain air valve. As it is oftentimes necessary to have special arrangement of air valve and throttle motion to make installation on certain motors, the special body and motion will be determined the same as the instructions given for the Model F. The Model L with Dash Control is manufactured in the following sizes, viz.: 1 inch, 1¼ inch, 1½ inch, 1¾ inch and 2 inch.

Model **L.**	Dash Control, 1	Inch	Each	$13 50
Model **L.**	Dash Control, 1¼	Inch	Each	15 00
Model **L.**	Dash Control, 1½	Inch	Each	18 75
Model **L.**	Dash Control, 1¾	Inch	Each	22 50
Model **L.**	Dash Control, 2	Inch	Each	37 50

PYRENE FIRE EXTINGUISHER

Pyrene Fire Extinguisher.

Pyrene Liquid is a chemical combination and as it touches the fire or even the heated part of the motor, the liquid is converted into a dense white gas blanket which surrounds the fire and smothers it instantly.

The liquid contains no acid or alkali and will do no damage to any kind of material. Contents are not subject to deterioration, hence requires no attention or expense for maintenance. Will not freeze at 50 degrees below zero and the contents not being under pressure but ejected mechanically, any liquid remaining in the engine after the fire is out is not lost.

Price, Brass, with Japanned Brackets		Each	$10 00
Price, Nickel with Japanned Bracket		Each	10 50
Price, Black Brackets to Fasten on Dash		Each	0 50
Liquid		Per Quart	1 50
Liquid		Per Gallon	5 00
Pyrene Safety Cans		Two Gallon	2 00
Pyrene Safety Cans		Five Gallon	5 00

TIRE TOOLS

Perfect. Length 13 In.. Each $1 00

Stiffer and stronger than any malleable tool. Made of spring steel.

Bracket.

No. **109.** 3-16x1¼x12 Inch..Each $0 35

SELDEN

3/4 Ton, 1 Ton, 2 Ton, 3½ Ton, 5 Ton

Compare Selden "In-Built Quality" Trucks, part for part, with any other "quality" trucks of the same rated capacity and you will find in

SELDEN SELDEN TRUCKS · SELDEN · IN-BUILT QUALITY · **TRUCKS**

bigger, better construction -greater strength—greater hauling power greater speed - greater ability to render long, profitable service.

Dealers: The demand for Selden Trucks is rapidly increasing. Sound-thinking business men appreciate the advantages and economy of installing "In-Built Quality" Trucks. Never before was a bigger opportunity offered to dealers than the Selden Line offers today. Get a Selden Agency QUICK! Write for our New Sales Proposition.

Selden Truck Sales Co.
Rochester, New York, U. S. A.

AUTO SUPPLIES

JOHNSON'S AUTO SPECIALTIES

Cleaner — [illegible] to remove [illegible] surface scratches, road oil [illegible] K3797—1 doz. cans in display box ... Doz. $2.80

Johnson's Nu-Lap — Squeak, oil — [illegible] prevents squeaks [illegible] springs, shackles [illegible] fenders, [illegible] tops, etc. [illegible] no need to [illegible] K3817—Qts. ... Can. $0.50 K3818 Pts. " .32 K3819—½ Pts. " .24

Carbon Remover — Softens carbon, will not injure any part of motor. 1 to 3 oz. in each cylinder will loosen all carbon deposits, which will pass through exhaust when motor is operated. Each wrapped.
K3804—Approx. 1 pt. can, Can. 45c

CRUM'S AUTO PREPARATIONS

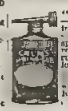
Dependable chemical compounds. Results guaranteed.

"Radi-No-Leak" — Stops leaking radiators, flows cores and prevents rust and scale formation, harmless to all metals. ½ pt. with engine running does the work in 5 minutes. Each wrapped.
K3030—Approx. 1 pt. can, Can, 40c

"Rim-No-Slick" — Quick drying graphite paint, applied [illegible] prevents rust and corrosion of rims, makes the changing easy. Each wrapped.
K3042—Approx. 1 pt. can ... Can, 30c

Prepared Wax — Soft can, applied with cloth, gives mirror [illegible] Each wrapped.
K3043—Approx. 1 pt. can ... Can, 40c

Prepared Liquid Wax — Easier to apply than prepared wax.
K3044—Half pt. can 24c
K3045—Pt. can 40c

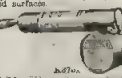


"Spring-Lub" — For lubricating springs. Keeps springs lively and noiseless, prevents rust, does not collect dirt, 1 application lasts [illegible] Each wrapped.
K3046—Approx. 1 pt. can ... Can, 37c

Zit Liquid Polish — Applied by spray pump, removes the [illegible] and restores [illegible] which can remain original gray luster and always look new. 10 minutes, an application of "ZIT" and a dry soft cloth [illegible]
K3800—Zit Liquid, 1 qt. with tin can ... Qt. can, $1.00
K3801—Zit Liquid, 1 gal. with tin can ... Gal. can, 3.75

"ZIT" AUTOMOBILE DRY WASH

The use of "ZIT" instead of water not only keeps cars looking better but [illegible] Each can contains enough for washing [illegible] cars. Also [illegible] for hardwood floors, furniture, pianos or any varnished or enameled [illegible], guaranteed not to injure the finest polished surfaces.



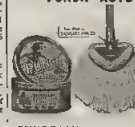
K3802—

"ZIT" Sprayer—
K3803—[illegible] Doz. $7.50

"ZIT" Demonstration Outfit—We offer this demonstration outfit for a limited time so you may try "ZIT" and be convinced it is everything claimed for it. Once convinced you will be a "ZIT" booster. The outfit [illegible] Each outfit [illegible] Ordered in lots of 6 or more, each ... Set, 90c

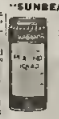
K3762—

"PUNCH" AUTO POLISH DUSTER



K3801—Has any angle handle by which the most out of the way corners can be reached and cleaned with ease. Each outfit furnished with [illegible] Each can of polish [illegible] Can, 25c

"SUNBEAM" SILVER PLATING



K4960—4 oz. bottle [illegible] silver. For brass, nickel and [illegible] Bottle 38c

CUSHION DRESSING

K3874—For [illegible] Can, 40c

"SUNBEAM" PRODUCTS

—Guaranteed

The logical line for the dealer or garage every [illegible] Let it be satisfaction. Each can bears the Sunbeam Guarantee.

Glossy Jet Black—Air drying for refinishing hoods, fenders [illegible] Each wrapped.
K3805—Qt. can ... $0.90
K3806—½ gal. " .50
K3806—1 gal. " 1.00

Metal Polish — Sun explosive [illegible] and white [illegible] Quick on the [illegible] Removes [illegible] other metals. Each wrapped.
K3808—Can ... $0.30
K3809—½ gal. " .50
K3809—1 gal. " 1.00

"KLRICK" VARNISH VITALINE

"Klrick" — [illegible] the varnish for life of car, different from any other preparation on the [illegible] Each wrapped.
K3810—Can ... $0.30
K3811—½ gal. " 1.10
K3812—1 gal. " 1.90

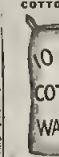
Carbon Remover — Softens carbon and caked grease in cylinders, spark plugs, piston rings and valves, increases power and speed, positively harmless no matter how often used. Each wrapped.
K3804—Can ... 45c

Signal Oil—Slow burning, for auto side and tail lamps [illegible] Each wrapped.
K3807—Can ... $0.25
K3807—½ gal. " .75

Orange Shellac — 100 per cent pure [illegible] Can ... $0.25
K3870—1 gal. can ... .75

Cotton Waste — [illegible] Each wrapped.
K4504—½ lb. pkg. ... $0.10
K4505—1 lb. " ... .17

COTTON WASTE

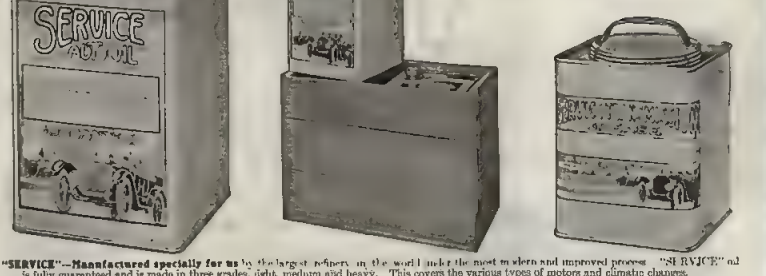


Cotton Waste — [illegible] Each wrapped.
K4504—½ lb. pkg. ... $0.10
K4505—1 lb. " ... .17

"SERVICE" AUTO OIL

Why Pay More When "Service" Oil Is The Best That Money Can Buy?

The life of any gasoline motor depends upon the oil that is used to lubricate it. 50 per cent of gasoline motors are ruined by inferior motor oils. "SERVICE" oil is a perfect lubricant—the highest grade motor oil on the market.



"SERVICE"—Manufactured specially for us by the largest refinery in the world under the most modern and improved process. "SERVICE" oil is fully guaranteed and is made in three grades, light, medium and heavy. This covers the various types of motors and climatic changes.

1 GAL.—
K4761—Light ... Gal. $0.35
K4762—Medium " .35
K4762—Heavy " .35

5 GAL.—
K4763—Light ... Gal. $0.47
K4764—Medium " .47
K4765—Heavy " .47

10 GAL.—(Two 5 gal.)
K4766—Light ... Gal. $0.44
K4767—Medium " .44
K4768—Heavy " .44

WOOD HALF BARREL—About 50 gals.
K4769—Light ... Gal. $0.38
K4770—Medium " .38
K4771—Heavy " .38

TRANSMISSION GREASE—
K4775—1 lb. can ... $0.51
K4776—10 " " ... .34

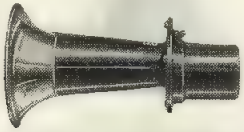
STEEL HALF BARRELS—30 gal. with brass faucet
K4811—Light ... Gal. $0.44
K4812—Medium " .44
K4813—Heavy " .44

STEEL BARRELS—50 gal. with brass faucet
K4814—Light ... Gal. $0.40
K4815—Medium " .40
K4815—Heavy " .40

GUT GREASE—
K4816—1 lb. can ... $0.51
K4817—10 " " ... .34

SPARTON HORNS

The Sparton Motor is constructed to operate in the lowest possible consumption of current and at the same time to give the greatest volume of sound.

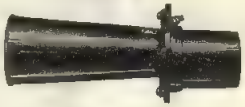


MODELS "PD" AND "PB"

Electrically driven.

Model "PD" Length over all, 14⅛ inches; oval bell, 6¼ inches; height, 7½ inches; weight, 10½ lbs. Each.....$15.00

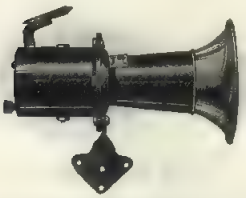
Model "PB" Electrically driven, length over all, 11 inches; oval bell, 4½ inches; height, 6 inches; weight, 3½ lbs. Each..... 7.50



MODELS "PJ" AND "PU"

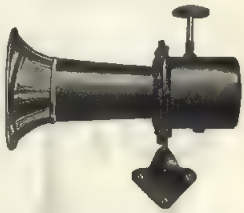
Model "PU" Electrically driven; straight or torpedo type projector, designed for use under the hood. Length over all, 13¼ inches; straight beaded projector, 4 inch diameter; weight, 10 lbs. Each.....$14.00

Model "PJ" Same type as "PU" but smaller, length over all, 10¼ inches; projector, 3 inches diameter; weight, 3½ lbs. Each..... 6.00



MODEL "PF"

Model "PF" Hand operated; no gears to clog or give trouble; easily attached to any car; length over all, 10¼ inches; oval bell, 4¼ inches; height, 6 inches; weight, 3½ lbs. Each $6.00



SPARTONET

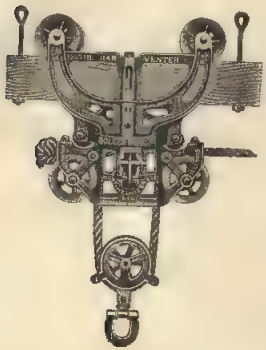
Spartonet Hand operated, push-down type; length over all, 9⅜ inches; round bell, 5 inches diameter; weight, 3 lbs. Each.....$3.00

SPARTON DISPLAY BOARDS

A big sales help. One furnished free with an order for six Sparton Horns, assorted.

HAY CARRIERS

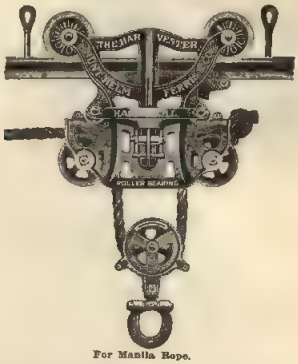
STAR ADJUSTABLE, WOOD TRACK.



For Manila Rope.

No. **503.** Made of best malleable iron. Roller bearing, open throat "Adjustable" because it possesses a feature of adjustability not found in other carriers, viz.: one side is solid; the other side consists of two pieces, one hinging on the other in such a way that all four wheels ride evenly on the track and bear equal pressure at all times, no matter how uneven the wood track may become. Wt. each, 36 lbs. .Each $7 00

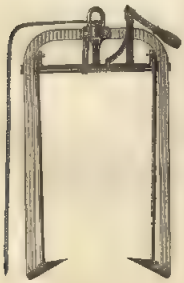
STAR SWIVEL, STEEL TRACK.



For Manila Rope.

No. **502.** Made of best malleable iron. Roller bearing, open throat. To run on double flange steel track; has a long bearing on the track; all parts are large, heavy and strong. Reverses by swiveling and will work either way from the trip block, running to either end of the barn without changing the rope. The swivel is so perfectly constructed that it absolutely holds in line with the track and yet can be easily turned when desired. Wt. each, 35 lbs.....Each $7 00

HARPOON HAY FORKS



No. 96

Lock Lever

No. **96.** Made of spring steel 1¼x⅝ inch, with malleable lever and barbs. Has large capacity owing to cross bar being placed near top of fork. Length under cross bar 30 inches. The special feature is that it locks open, as well as closed. Wt. each, 25 lbs....Each $3 50

Nos. 95 and 97

No. 94

Nellis—Single

No. **94.** Wt. each, 11 lbs. .....Each $3 00
Half Dozen in a Bundle

Double

No. **95.** Made of steel; length of tines, under cross bar, 25 inches. Wt. each, 16½ lbs. .....Each $1 60
No. **97.** Made of steel; length of tines, under cross bar, 31 inches. Wt. each, 18 lbs. .....Each 2 00

HAY FORK PULLEYS

No. 101

No. 105.

No. 103.

No 125.

No. 43.

Swivel Eye

No. **101.** Cast iron frame, 6 in wood sheave, does not pass knots Wt per doz, 38 lbs Per Doz $3 20

No **105.** Pressed wrought steel frame, knot passing, 6 inch hard maple sheave which revolves on large bushing. Wt. per doz., 36½ lbs. ..... Per Doz. $4 00

Malleable Swivel Eye

No. **103.** Malleable frame, knot passing 6 inch hard maple sheave which revolves on large hollow pin Wt per doz, 36½ lbs Per Doz $4 60

Malleable Swivel Eye

No. **125.** Malleable frame with roller bearings, 6 inch iron sheave. Made for very best trade Wt per doz., 62 lbs Per Doz. $9 60

For Wire Cable

A cable pulley to be used with ⅜ or ½ inch cable instead of rope Has high carbon steel frame and 7 inch iron sheave

No. **43.** **Plain Bushed.** Wt. per doz., 85 lbs Per Doz $14 20

No. **43.** **Roller Bushed.** Wt per doz., 88 lbs Per Doz 16 80

FLOOR AND HANGING HOOKS

Floor.

Hanging.

Floor Hooks. ⅜ inch wrought iron. Wt. per doz., 13¾ lbs. ..... Per Doz. $1 70

Hanging Hooks. Length after bending, ½x14 inches. Wt. per doz., 13½ lbs. ..... Per Doz. 1 50

SWIVEL ROPE HITCH AND HOOK

No **86.** **Swivel Rope Hitch and Hook.** One of the most handy and useful articles in a hay tool outfit. No hard knot to untie, no wasting of rope by cutting knots open Twist in the rope is removed by the swivel. Wt. per doz., 16 lbs..... Per Doz. $3 20

RAFTER BRACKETS

No. 126.

No 146 With Stop.

No. 148.

No. **126.** Wt. per doz., 4½ lbs. Per Doz. $0 75

COMBINED END HANGER AND STOP.

No **146.** To keep carrier from running off the end of track ..... Per Doz. $1 50

No. **148.** Hanger for double flange steel track. Wt. per doz., 4 lbs. ..... Per Doz. 1 40

NOTE.—Illustration of No. 148 shows both hanger and brackets Hanger only is stocked

STEEL HAY CARRIER TRACK

STAR DOUBLE FLANGE.

The strongest hay carrier track on the market and simple in construction. The hangers are movable and will fit the rafters at any point. The trip block is movable and can be fastened to the track at any place where there is a rivet. No tools required to erect this track in the barn except a wrench and a hammer. 6, 8 and 10 foot lengths.

No. **142.** Wt. per ft., 2 lbs.... ... Per Foot $0 20

SPLICE BLOCKS.

Furnished Free with Each Joint of Track

MICA OR ISINGLASS

Selected, Clear, Lustrous.

Size.		Per Lb.	Size	Per Lb
2 x3	inches, 240 Sheets per Lb...	$7 50	3x4 inches, 108 Sheets per Lb	$15 00
2½x3	inches, 168 Sheets per Lb..	10 50	3x5 inches, 84 Sheets per Lb	15 75
2½x3½	inches, 144 Sheets per Lb...	11 50	3x6 inches, 60 Sheets per Lb.	16 50
2½x4	inches, 120 Sheets per Lb.	12 75	4x5 inches, 48 Sheets per Lb	18 00
3 x3	inches, 144 Sheets per Lb..	12 75	5x7 inches, 36 Sheets per Lb	25 75

No. of Sheets per Pound is approximate. Sizes not listed mailed direct from mill, postage paid.

All Sizes One-Fourth Pound in a Package.

LANTERNS

STA-LIT Lanterns represent value and are of the finest construction, workmanship and finish.

No. 105 (Old No. 0)

Large tin fount, No. 0 burner and globe

No. **105.** Per Dozen..... $9 00

No. 350 (Old Junior)

Large tin fount, No. 1 burner and Jr. C. B. globe.

No. **350.** Per Dozen.... $13 50

No. 150 (Old No. 2 C. B.)

Large tin fount, No. 2 burner and No. 2 C. B. globe.

No. **150.** Per Dozen..... $15 00

No. 450 (Old D-Lite)

Large tin fount, No. 2 burner, D-Lite globe.

No. **450.** Per Dozen..... $15 00

No. 451 (Old Sta-Lit)

Extra large tin fount, No. 2 burner and D-Lite globe.

No. **451.** Per Dozen..... $18 00

No. 463 (Old Sta-Lit)

Extra large brass fount, No. 2 burner and D-Lite globe.

No. **463.** Per Dozen..... $30 00

No. 105, One Dozen, and Remainder of Line, One-Half Dozen in Case

NEW PERFECTION OIL STOVES

No. 61 Stove

No. 62 Stove

No. 81 Stove

No. 82 Stove

Nos. 61 and 62 have the regular New Perfection burner. They have large filler hole and stopper, glass top, through which oil level may be readily seen. The top is of non-breakable pressed steel. Suitable for tents, camp outfits, the sick room and wherever space is limited.

No. 61

The dimensions and weights of Stove No. 61 are as follows: Height 17 inches, net weight 8 pounds, top diameter 12 inches, shipping weight 13 pounds.

No. 61. Each $3 75

No. 62

Dimensions and weights No. 62: Height 16¾ inches, top 22x12 inches, net weight 18 pounds, shipping weight (crated) 26 pounds.

No. 62. Each $7 50

Nos. 81 and 82 Stoves are especially designed for use on motor boats, yachts and for general camping outfits. The burners are fed from individual reservoirs built below and around the burners, so built to maintain the proper oil level. Each reservoir is equipped with a long tubular filler cap which prevents the oil from spilling when the stove is tilted.

No. 81

The dimensions and weights of stove No. 81 are as follows: Height 18 inches, net weight 10 pounds, top diameter 12 inches, shipping weight 15 pounds.

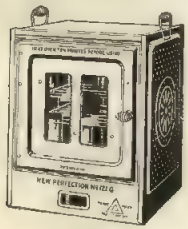
No. 81. Each $4 90

No. 82

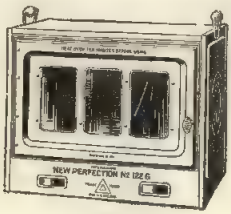
The dimensions and weights of No. 82 Stove are as follows: Height 18 inches, net weight 21¾ pounds, top 22x12 inches, shipping weight 30 pounds.

No. 82. Each $9 30

NEW PERFECTION PORTABLE STEEL OVENS



No. 121G



No. 122G

Nos. 21 and 22 have steel doors. Nos. 121G and 122G have glass doors.

Insure perfect baking results. A continuous current of freshly heated air passes over and under the food. All the sogginess comes out of the food, all the goodness stays in.

They are furnished with glass doors or with steel doors. They will fit any stove.

Nos.	121G	122G
Weight, Lbs	20	27
Size, In.	17⅝x12¾x14	17⅝x18¾x26½
Each	$3 40	4 25

WICKS

STOVE AND HEATER

	Per Doz
For all New Perfection Oil Cook Stoves	$3 00
No. 3. Perfection Heater Wicks	3 00
1x8 inches, flat, for lamp stoves	$1 00

LANTERN OR LAMP

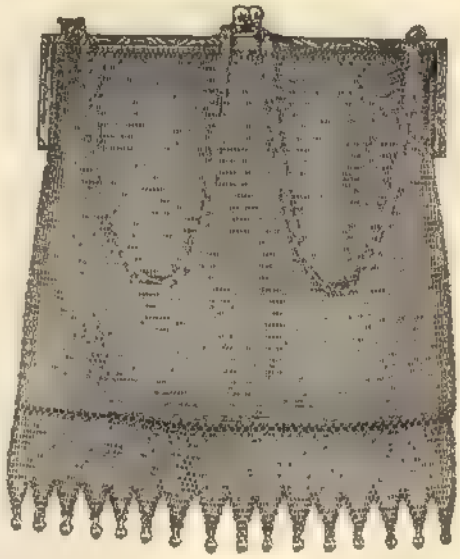
	Per Gross
No. 0. ½ inch wide	$1 20
No. 1. ⅝ inch wide	1 50
No. 2. 1 inch wide	2 20
No. 3. 1½ inch wide	3 50
	Per Doz.
No. 2. Rochester, 7½ inches long	$1 00
No. 3. Rochester, 7½ inches long	1 20

Rochester Packed One Dozen, Balance One Gross in a Package

Fine Sterling and German Silver Mesh Bags

Prices Each

No. 6594 ..... $76.70
Sterling silver, hand engraved and polished. Soldered reversed mesh. Extra heavy. Size 5½x5 inches.



No. 6595 ..... $65.00
Sterling silver, reversed soldered mesh, hand engraved, polished frame. Size 5x6 inches.

No. 6596 ..... $41.70
German silver, soldered mesh, polished green gold finish. Size 4x5½ inches.

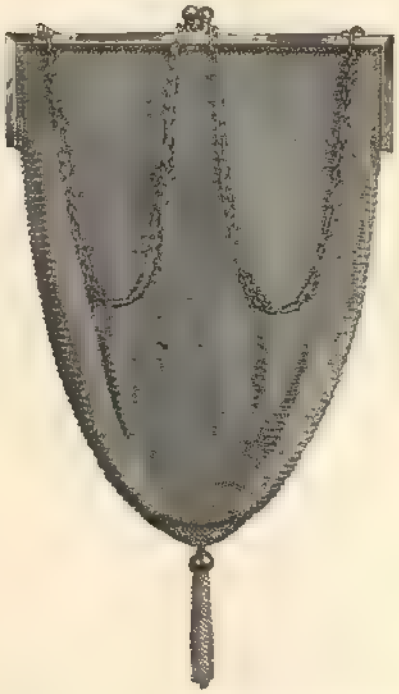
No. 6597 ..... $70.00
Sterling silver, fine soldered mesh. Size 6x5½ inches.

No. 6598 ..... $14.20
German silver, fine open ring mesh, polished knife edge frame. Size 6x6½ inches.

No. 6599 ..... $12.10
German silver, fine open ring mesh, plain polished frame. Size 5¼x5 inches

Fine Sterling and German Silver Mesh Bags

Prices Each



No. 6600 . . . . . $90.00
Sterling silver.

No. 6601 . . . . . $26.70
German silver, extra fine reversed mesh, soldered links, polished knife edge frame. Size 5x7 inches.

No. 6602 . . . . . $27.00
German silver, fine soldered mesh, knife edge frame, polished green gold finish; size 7½x2¾ inches.

No. 6603 . . . . . $26.70
German silver, extra fine reversed mesh, soldered links, size 5½x4 inches.

No. 6604 . . . . . $27.70
German silver, reversed soldered mesh; size 7¼x 5 inches.

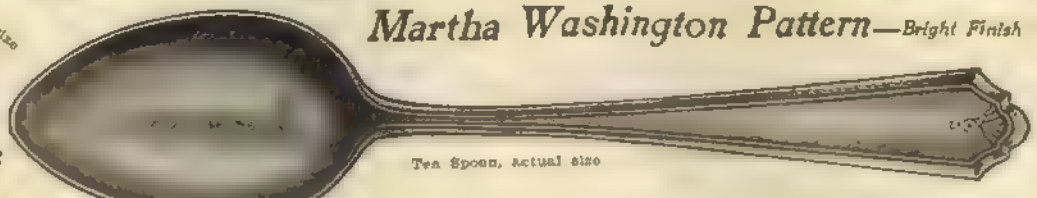
No. 6605 . . . . . $5.50
German silver, reversed open ring mesh, knife edge fancy frame. Size 4x6 inches.

No. 6606 . . . . . $11.70
German silver, reversed open ring mesh; size 6½x4¼ inches.

Sugar Shell, 3/7 size
Pickle Fork, 3/7 size
Oyster Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Cold Meat Fork, 3/7 size
Medium Knife, 3/7 size
Hollow Handle Pie Server, 3/7 size
Serving Salad Spoon, 3/7 size
Sardine Fork, 3/7 size
Individual Salt Spoon, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Orange Spoon, 3/7 size
Mustard Spoon, 3/7 size
Tomato or Cucumber Server, 3/7 size
Bon Bon, 3/7 size
Olive Spoon, 3/7 size
Butter Spreader, 3/7 size
Soup Spoon, 3/7 size
Individual Salad Fork, 3/7 size
Medium Fork, 3/7 size
Berry Spoon, 3/7 size
Serving Salad Fork, 3/7 size
Gravy Ladle, 3/7 size
Coffee Spoon, 3/7 size

Sterling Silver Flatware 925/1000 Fine

Martha Washington Pattern—*Bright Finish*



All Fancy Pieces Put Up in Lined Boxes

For Chests see page 358

All items listed in alphabetical order

Always state whether Plain or Gilt

When not specified we will send Plain

No.		Plain	Gilt
B1163	Asparagus fork, ea	$33 55	$35 93
B1164	Berry forks, doz	39 53	44 34
B1165	Berry spoon, small, ea	18.43	20 37
B1166	Berry spoon, large, ea	21 56	23 97
B1167	Bon bon scoop, ea	6.22	8.13
B1168	Bon bon spoon, small, ea	3.83	5.97
B1169	Bouillon spoons, large, doz	68.28	80.25
B1170	Bouillon spoons, sm., doz	55.83	68.27
B1171	Butter knife, small, ea	8.87	
B1172	Butter knife, large, ea	11 97	
B1174	Butter-spds small doz	53 92	
B1175	Cake fork ea	11.05	
B1176	Cake knife, H H ea	20 97	27.55
B1177	Cake knife, H H ea	31.13	
B1178	Carving fork, cheap, ea	7 92	
B1179	Carving fork, gmd ea	19.17	
B1180	Carving fork, gmd ea	19 17	
B1181	Carving fork, plain ea	8.87	
B1182	Carving knife, cheap ea	7 92	
B1183	Carving knife, gmd ea	19.17	
B1184	Carving knife, large, ea	19 17	
B1185	Carving knife, steak, ea	8.87	
B1186	Carving steel, large, ea	19.17	
B1187	Cheese fork, ea	6.22	7.17
B1188	Cheese knife, ea	11 97	
B1189	Cheese scoop, small, ea	8.87	10.05
B1191	Cheese server, ea	6.22	
B1192	Cheese server, H. H., ea	5.50	
B1193	Chi ds Fork ea	6.47	
B1194	Chi ds Knife ea	6.22	
B1195	Child's set, 3 pieces, H. H knife, set	16 06	
B1197	Chocolate spoons, doz	57 50	68.28
B1198	Coffee spoons, small, doz	21 55	25.17
B1199	Coffee spoons, large, doz	28.75	33 55
B1200	Cold meat fork, small, ea	10.78	11.97
B1201	Cold meat fork, large, ea	13.45	30.13
B1202	Cream ladle, small, ea	6.22	7.90
B1203	Cream ladle, large, ea	9.58	11.25
B1205	Cucumber server, sm., ea	9.58	
B1206	Dessert forks, light, doz	67 08	
B1207	Dessert forks, med., doz	73.48	
B1208	Dessert knives, H H, steel blades, doz	70.27	
B1209	Dessert knives, H H plated blades, doz	74.55	
B1210	Dessert spoons, light, doz	67 08	
B1211	Dessert spoons, med, doz	73.48	
B1212	Fish fork, small, ea	20.13	22.50
B1213	Fish fork, ind., small, doz	80.72	88.63
B1214	Fish knife, small, ea	25.88	
B1215	Fish knives, ind., H., doz	83.83	
B1216	Food pusher, ea	5.50	
B1217	Fruit knives, doz	86.25	
B1218	Gravy ladle, small, ea	14.58	16.05
B1219	Gravy ladle, large, ea	18.45	20.32
B1220	Ice cream forks, doz	71.88	81.47
B1222	Ice cream slicer, H H, ea	13.42	
B1223	Ice cream spoons, doz	71.88	81.47
B1224	Ice spoon, ea	16.05	
B1225	Iced tea spoons, doz	71.88	81.47
B1226	Ice tongs ea	21 55	
B1227	Jelly server, ea	9 58	
B1228	Jelly spoon, ea	8.13	9.58
B1229	Lemon fork, ea	4.80	
B1230	Lettuce fork, ea	10.78	11.98
B1231	Medium forks, light, doz	86.25	
B1232	Medium forks, med., doz	90.03	
B1233	Medium knives, H H, steel blades doz	78.20	
B1234	Medium knives, H H, plated blades, doz	83.68	
B1235	Mustard spoon, ea	4.80	5.50
B1237	Olive fork, long ea	7.17	7.92
B1238	Olive fork, short, ea	5 50	6.22
B1239	Olive spoon, long, ea	7.17	8.13
B1240	Olive spoon, short, ea	5 50	6.22
B1241	Orange knives, doz	75 47	
B1242	Orange spoons, small, doz	71 88	81.47
B1243	Oyster forks, small doz	43 13	47 92
B1244	Oyster forks, large, doz	53.92	61.83
B1245	Oyster knife ea	37 62	42 05
B1247	Pastry forks doz	80.25	89.83
B1248	Pickle fork, ea	8.13	9.58
B1249	Pie knife, small, ea	23.97	26.34
B1250	Pie server, H H med ea	9.58	
B1251	Preserve spoon, ea	13.67	15.34
B1253	Roast holder, H. H., ea	11.97	
B1254	Salad fork, serving ea	21 55	23.97
B1255	Salad fork, ind., sm., doz	71.88	81 47
B1256	Salad fork, ind., large, doz	79.05	88.63
B1257	Salad spoon, serving, ea	21.55	23 97
B1258	Salt spoon, ind., doz		15.58
B1260	Soup ladle, small, ea	53 92	57 50
B1261	Soup ladle, large, ea	68 28	74.25
B1262	Soup spoons, light, doz	67 08	
B1263	Soup spoons, med., doz	73.47	
B1264	Sugar sifter, ea	9.58	11.25
B1265	Sugar spoon, ea	5 50	6.72
B1266	Sugar tongs, small, ea	6.22	
B1267	Table spoons, light, doz	86.25	
B1268	Table spoons, med., doz	95 00	
B1270	Tea spoons, 5 o'clock, doz	29 72	
B1271	Tea spoons, small, doz	26 36	
B1272	Tea spoons, light, doz	33 43	
B1273	Tea spoons, med., doz	41 52	
B1274	Tea spoons, heavy doz	49 38	
B1275	Tomato server, ea	21 56	23.55

Sugar Tongs, 3/7 size
Sugar Shell, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Fork, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Jelly Server, 3/7 size.
Pickle Fork, 3/7 size
Coffee Spoon, 3/7 size
Olive Spoon, 3/7 size
Ice Cream Fork, 3/7 size
Soup Spoon, 3/7 size
Medium Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Gravy Ladle, 3/7 size
Preserve Spoon, 3/7 size
Sauce Ladle, 3/7 size.
Cold Meat Fork, 3/7 size
Mutton Knife, 3/7 size
Lettuce Fork, 3/7 size
Hollow Handle Pie Server
Hollow Handle Cheese Server, 3/7 size
Lemon Fork, 3/7 size

Sterling Silver Flatware

$\frac{925}{1000}$ Fine

Dorothy Bradford Pattern

All Fancy Pieces Put Up In Lined Boxes

For Chests, see page 55.

All items listed in alphabetical order.

Always state whether plain or gilt is wanted. Where not specified we will send plain.

No.		Plain	Gilt
B1276	Asparagus fork, ea.	$26.10	$29.97
B1277	Baby fork, str. handle, ea.	4.17	
B1278	Baby spoon, str. handle, each	3.87	
B1279	Beef fork, ea.	12.12	13.07
B1280	Berry forks, doz.	37.70	
B1281	Berry spoon, ea.	24.19	26.59
B1282	Berry spoon small, ea.	18.60	37 70
B1283	Bouillon spoons, doz	54.43	61.72
B1284	Butter knife, ea.	9.65	
B1286	Butter spreaders, doz.	65.37	
B1287	Butter spds., H. H., doz.	79.80	
B1288	Carving fork, game, ea.	18.87	
B1289	Carving knife, game, ea.	18.87	
B1290	Carving steel, game, ea.	18.87	
B1291	Carving fork, large, ea.	18.87	
B1292	Carving knife, large, ea.	18.87	
B1293	Carving steel, large, ea.	18.87	
B1294	Carving fork, steak, ea.	9.65	
B1295	Carving knife, steak, ea.	9.65	
B1296	Carving steel, steak, ea.	9.65	
B1297	Cheese scoop, H. H., ea.	11.39	
B1298	Cheese server, small, ea.	7.29	
B1299	Cheese server, H. H., ea.	8.57	
B1300	Child's fork, ea.	6.52	
B1301	Child's knife, H. H., ea.	6.52	
B1302	Child's knife, H. H., short, each	5.57	
B1303	Child's set, 3 pcs., H. H., knife, ea.	16.19	
B1304	Child's set, short, H. H., knife, ea.	13.75	
B1305	Chocolate muddler, ea.	11.39	
B1306	Chocolate spoons, doz.	41.64	48.89
B1307	Coffee spoons, doz.	25 37	30 74
B1308	Cold meat fork, ea.	14.49	16.20
B1309	Cream ladle, ea.	8.35	8.92
B1310	Cucumber server, ea.	13 07	14.49
B1311	Dessert forks, med., doz.	70 95	
B1312	Dessert forks, lge., doz.	81 69	
B1313	Dessert knives, H. H., doz.	79.80	
B1314	Dessert spoons, med., doz.	70.95	
B1315	Dessert spoons, lge., doz.	81 69	
B1316	Fish forks, ind., doz.	116.15	130.64
B1317	Fish fork, serving, ea.	19.37	21.72
B1318	Fish knives, ind. doz.	96.80	
B1319	Fish knife, serving, ea.	29.97	34.60
B1320	Fruit knives, H. H., doz.	79.80	
B1321	Game shears, ea.	26.10	
B1322	Grape fruit spoons, doz.	79.80	94.37
B1323	Gravy ladle, ea.	14.49	16.20
B1324	Ice cream forks, doz.	65.37	72.39
B1325	Ice cream server, H. H., each	16.19	
B1326	Ice cream spoons, doz.	65.37	72.39
B1327	Iced tea spoons, doz.	79.80	
B1328	Jelly server, ea.	5.57	6.75
B1329	Jelly spoon, ea.	9.65	10.83
B1330	Lemon fork, ea.	3.40	
B1331	Lettuce fork, ea.	11.39	12.57
B1332	Lettuce spoon, ea.	11.39	12.57
B1333	Medium forks, med., doz.	90.37	
B1334	Medium forks, lge., doz.	107 57	
B1335	Medium knives, H. H., doz.	94.37	
B1336	Mustard spoon, ea.	4.83	5.57
B1337	Nut spoon, ea.	16 19	17.90
B1338	Olive fork, large, ea.	8.25	8.92
B1339	Olive fork, small, ea.	5.57	6.29
B1340	Olive spoon, large, ea.	8.25	8.92
B1341	Olive spoon, small, ea.	5.57	6.20
B1342	Orange spoons, doz.	72.39	79.80
B1343	Oyster forks, doz.	48.37	54.43
B1344	Oyster ladle, ea.	34.80	37.95
B1345	Pickle fork, ea.	7.29	8.25
B1346	Pie server, H. H., sm., ea.	9.65	
B1347	Pie server, H. H., lg., ea.	13.07	
B1348	Preserve spoon, ea.	14 49	16.20
B1349	Roast holder, small, ea.	14 49	
B1350	Roast holder, large, ea.	17 90	
B1351	Salad forks, ind., doz.	79 80	94.37
B1352	Salad fork, serving, ea.	24.19	26 59
B1353	Salad fork, serving, sm., each	16.19	18.60
B1354	Salad spoon serving, ea.	24.19	26 59
B1355	Salad spoon, serving, sm., each	16 19	18.60
B1356	Salt spoons, doz.	2 92	3 40
B1357	Salt spoons, ind., doz	19.37	25.37
B1358	Sardine fork, ea.	8 25	9.65
B1359	Sauce ladle, ea.	5.57	6.27
B1360	Soup ladle, ea.	51.79	55.40
B1361	Soup spoons, doz.	77 44	
B1362	Sugar sifter, ea.	8.92	9.65
B1363	Sugar spoon, ea.	9.65	
B1364	Table spoons, med., doz.	90.37	
B1365	Table spoons, lge., doz.	116.07	
B1366	Tea spoons, light, doz.	33.69	
B1367	Tea spoons, med., doz.	41 85	
B1368	Tea spoons, lge., doz.	49 87	
B1369	Tomato server, ea.	17.82	20.32

Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Individual Salt Spoon, 3/7 size
Coffee Spoon, 3/7 size
Pie Server
Gravy Ladle, 3/7 size
Soup Spoon, 3/7 size
Game Carving Fork, 7/8 size
Game Carving Knife, 7/8 size
Tea Spoon, actual size

Sterling Silver Flatware 925/1000 Fine

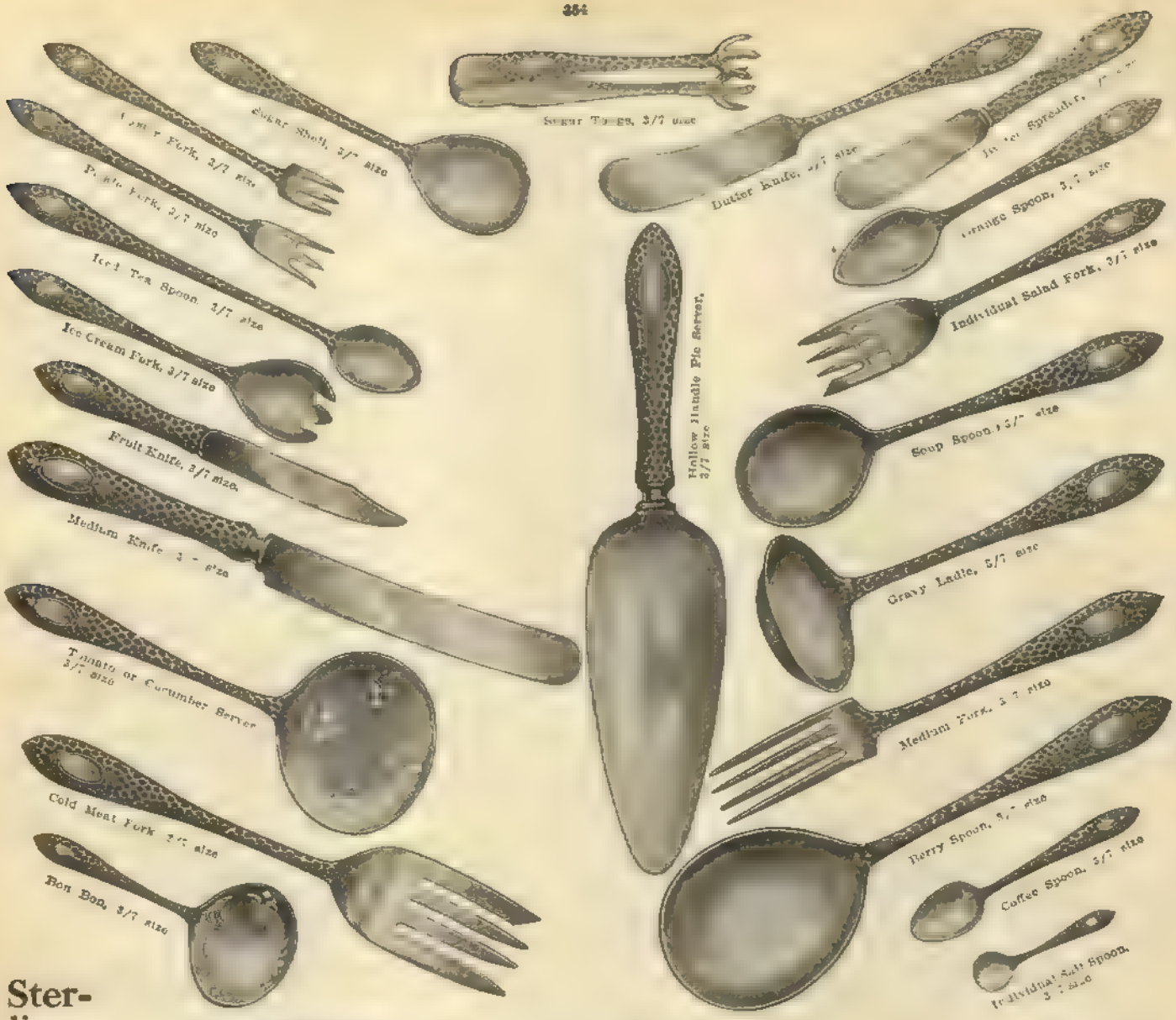
Carmel Pattern

All Fancy Pieces Put Up in Lined Boxes

For Chests, see page 358. All items listed in alphabetical order.

Always state whether plain or gilt is wanted. Where not specified we will send plain.

No.		Plain	Gilt
B2093	Asparagus server, H. H., each	$29.67	
B2094	Baby fork, ea.	4.27	
B2095	Baby spoon, ea.	4.27	
B2097	Berry spoon, ea.	21.34	$23.47
B2098	Bon bon scoop, ea.	6.40	6.93
B2099	Bon bon tong, ea.	4.80	5.66
B2100	Bouillon spoons, doz.	80.27	70.93
B2101	Butter knives, ea.	8.53	9.87
B2102	Butter picks, ea.	4.80	5.34
B2103	Butter spreaders, doz.	64.00	72.00
B2104	Cake H. H. knife	11.47	
B2105	Cake knife	9.87	12.53
B2106	Carving set, game, 2 pc. set	37.34	
B2107	Carving set, large, 3 pc. set	56.00	
B2108	Carving set, steak, 2 pc.	18.67	
B2109	Carving set, steak, 2 pc. with guard, set	21.34	
B2110	Cheese server, H. H., ea.	5.87	
B2111	Child's fork, ea.	6.13	
B2112	Child's knife H. H., ea.	5.87	
B2113	Child's set, 3 pc., set	16.00	
B2114	Child's spoon, ea.	2.88	
B2115	Coffee spoons, large, doz	29.34	34.67
B2116	Cold meat fork, large, ea.	16.00	17.34
B2117	Cold meat fork, small, ea.	10.67	11.73
B2118	Cream ladle, ea.	8.53	9.60
B2119	Cucumber server, ea.	8.00	
B2120	Dessert forks, hvy., doz.	76.67	
B2121	Dessert knives, H. H., doz.	85.34	
B2122	Dessert spoons, ex., dz	66.17	
B2123	Dessert spoons, h. dz	76.67	
B2124	Duck shears, H. H., ea	21.34	
B2125	Fish fork, ind., doz.	128.00	
B2126	Food pushers, ea	3.73	
B2127	Fruit knives, H. H., doz	64.00	
B2128	Gravy ladle, ea	17.34	18.93
B2129	Ice cream forks, hvy doz	58.67	
B2130	Ice cream sliver, ea	14.13	18.13
B2131	Ice cream spoon, doz.	57.60	62.93
B2132	Ice spoon, ea.	24.00	26.67
B2133	Ice tea spoon doz	77.34	
B2134	Jam spoon, ea	5.34	
B2135	Jelly knife, large, ea	8.53	9.87
B2136	Jelly knife, small, ea	4.00	
B2137	Jelly spoon, ea.	12.53	
B2138	Lemon fork, ea.	13.87	
B2139	Mayonnaise ladle, ea.	5.87	6.67
B2140	Medium forks, hvy, doz.	93.72	
B2141	Medium knives, H. H., doz.	96.00	
B2142	Nut crackers, H. H., ea	21.34	
B2143	Olive fork, short, ea.	5.34	6.13
B2144	Olive spoon, small, ea.	4.80	5.80
B2145	Orange knives, H. H., doz.	69.34	
B2146	Orange spoons, doz.	64.00	72.00
B2147	Oyster forks, doz.	45.87	51.20
B2148	Oyster ladle, ea.	42.67	45.34
B2149	Pastry forks, doz.	72.00	
B2150	Pickle fork, long, ea	7.20	
B2151	Pie server, H. H., ea.	11.47	14.13
B2152	Preserve spoon, ea	14.67	16.53
B2153	Relish fork, ea.	13.34	
B2154	Salad fork, H. H., olive wood, ea.	8.53	
B2155	Salad fork, ind., doz	72.00	
B2156	Salad fork, large, ea	19.73	21.87
B2157	Salad spoon, ea	19.73	21.87
B2158	Salad spoon, H. H., olive wood, ea.	8.53	
B2159	Sardine forks, ea.	3.00	
B2160	Sherbert forks, doz	58.67	66.67
B2161	Soup ladle, ea.	60.00	64.00
B2162	Soup spoons, heavy, doz	78.10	
B2163	Sugar spoon, ea.	6.67	7.47
B2164	Sugar tong, ea.	6.87	7.20
B2165	Table spoons, hvy., doz	93.72	
B2166	Tea spoons, small, doz.	30.77	
B2167	Tea spoons, sm., 3 oz., doz.	33.13	
B2168	Tea spoons, extra, doz	41.42	
B2169	Tea spoons, heavy, doz.	48.70	
B2170	Tomato server, ea.	17.34	18.67


Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Jelly or Spreader, 3/7 size
Orange Spoon, 3/7 size
Individual Salad Fork, 3/7 size
Soup Spoon, 3/7 size
Gravy Ladle, 3/7 size
Medium Fork, 3/7 size
Berry Spoon, 3/7 size
Coffee Spoon, 3/7 size
Individual Salt Spoon, 3/7 size
Hollow Handle Pie Server, 3/7 size
Sugar Shell, 3/7 size
Dinner Fork, 3/7 size
Pickle Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Ice Cream Fork, 3/7 size
Fruit Knife, 3/7 size
Medium Knife, 3/7 size
Tomato or Cucumber Server, 3/7 size
Cold Meat Fork, 3/7 size
Bon Bon, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Stuyvesant Pattern

Hand Hammered
Platinum Finish

All Fancy Pieces Put Up in Lined Boxes

For Chests, see page 359. **All items listed in alphabetical order. Always state whether plain or gilt is wanted. Where not specified we will send plain.**

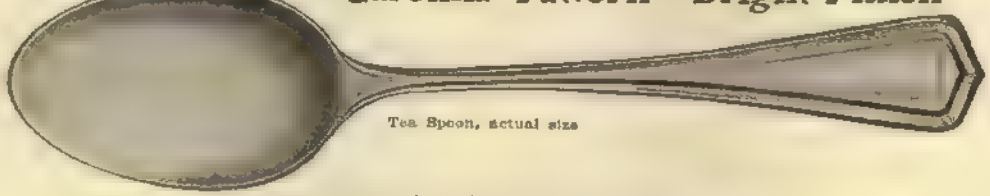
No.		Plain	Gilt
B2171	Baby fork, flat handle, ea.	$ 4.10	
B2172	Baby spoon, str. hdl., ea.	4.10	$ 4.55
B2173	Berry spoon, ea.	21.87	23.27
B2174	Bon bon [illegible]	6.06	6.87
B2175	Bon bon tongs, ea.	5.47	6.33
B2176	Bon bon spoons, doz.	54.67	62.87
B2177	Bread knife, H. H., ea.	12.34	
B2178	Butter knife, ea.	5.17	
B2179	Butter pick, ea.	4.67	5.20
B2180	Butter spds., lg., doz.	68.90	77.10
B2181	Butter spds., H. H., doz.	65.60	
B2182	Cake knife, H. H., ea.	10.97	
B2183	Cake server, ea.	13.67	15.07
B2184	Carving set, game, set	15.07	
B2185	Carving set, game, set	35.57	
B2186	Carving set, game, without guard, set	30.10	
B2187	Carving set, 3 pcs., set	57.43	
B2188	Carving set, 3 pcs., without guard, set	44.80	
B2189	Carving set, steak, set	13.13	
B2190	Carving set, steak, without guard, set	16.40	
B2191	Cheese scoops, ea.	8.20	
B2192	Cheese server, ea.	5.47	
B2193	Child's fork, ea.	5.47	
B2194	Child's knife, H. H., ea.	5.47	
B2195	Child's set, 3 pcs., ea.	15.07	
B2196	Coffee spoons, doz.	18.73	32.83
B2197	Cold meat fork, lg., ea.	17.90	19.13
B2198	Cold meat fork, sm., ea.	10.97	13.10
B2199	Cream ladle, ea.	8.20	9.03
B2200	Dessert forks med., doz.	68.03	
B2201	Dessert [illegible], doz.	81.40	
B2202	Dessert knives, H. H., plated blades, doz.	82.00	
B2203	Dessert knives, H. H., unplated blades, doz.	82.00	
B2204	Dessert spoons, hvy., doz.	68.03	
B2205	Dessert spoon, hvy., doz.	81.43	
B2206	Food pusher, ea.	5.47	6.07
B2207	Educator knife, H. H., ea.	5.47	
B2208	Egg server, ea.	10.97	
B2209	Fruit knives, H. H., doz.	65.60	
B2210	Gravy ladle, ea.	16.43	17.47
B2211	Ice cream forks, doz.	65.60	71.10
B2212	Ice cream slicer, ea.	12.34	
B2213	Ice cream spoons, doz.	65.60	71.10
B2214	Iced tea spoons, doz.	69.70	77.90
B2215	Jelly server, ea.	5.47	6.07
B2216	Jelly server, H. H., ea.	3.83	
B2217	Jelly spoon, ea.	11.77	12.57
B2218	Lemon fork, ea.	4.93	5.47
B2219	Mint slade spoon, ea.	5.47	6.30
B2220	Mayonnaise ladle, ea.	5.47	6.30
B2221	Medium fork, med., doz.	86.07	
B2222	Medium forks, heavy, doz	110.57	
B2223	Medium knives, H. H., plated blades, doz.	82.97	
B2224	Medium knives, H. H., unplated blades, doz.	92.97	
B2225	Medium ladle, ea.	43.73	47.97
B2226	[illegible]	18.40	
B2227	Olive fork, short [illegible]	5.20	5.73
B2228	[illegible]	5.47	6.30
B2229	Orange spoons, doz.	60.13	68.37
B2230	Oyster forks, doz.	43.73	49.20
B2231	Oyster ladle, ea.	43.73	47.97
B2232	Pie server, H. H., lg., ea.	10.93	
B2233	Pie server, H. H., sm., ea.	9.03	
B2234	Poultry shears, H. H., ea.	27.37	
B2235	Salad forks, ind., doz.	83.80	96.93
B2236	Salad fork, serving, ea.	17.77	19.13
B2237	Salad fork, serving, olive wood, ea.	8.20	
B2238	Salad spoon, serving, ea.	17.77	19.13
B2239	Salad spoon, serving, olive wood, ea.	8.20	
B2240	Salt spoons, doz.	13.13	15.87
B2241	Soup spoons, med., doz.	68.03	
B2242	Sugar spoon, ea.	5.47	6.07
B2243	Sugar tongs, ea.	8.73	10.10
B2244	Table spoons, med., doz.	93.57	
B2245	Table spoons, hvy., doz.	110.57	
B2246	Tea forks, med., doz.	58.37	
B2247	Tea spoons, medium, doz.	33.93	
B2248	Tea spoons, heavy, doz.	42.53	
[illegible]	Tea spoons, ex. hvy., doz.	50.97	
[illegible]	Tomato server, ea.	17.77	19.13

Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Individual Salad Fork, 3/7 size
Oyster Fork, 3/7 size
Pickle Fork, 3/7 size
Ice Cream Fork, 3/7 size
Soup Spoon, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Olive Spoon, 3/7 size
Cold Meat Fork, 3/7 size
Tomato or Cucumber Server, 3/7 size
Lemon Fork, 3/7 size
Cheese Scoop, 3/7 size
Coffee Spoon, 3/7 size
Gravy Ladle, 3/7 size
Iced Tea Spoon, 3/7 size
Hollow Handle Pie Server, 3/7 size
Bon Bon, 3/7 size
Napkin Clip, 3/7 size
Berry Spoon, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Lettuce Fork, 3/7 size
Hollow Handle Cheese Server, 3/7 size

Sterling Silver Flatware

925 1000 Fine

Carolina Pattern—Bright Finish



For Chests see page 358

All Items Listed in Alphabetical Order.

No.		Plain
B728	Asparagus Fork, each	$24 15
B727	Baby Fork, short handle, each	3.85
B728	Baby Knife, H. H., each	4.84
B729	Baby Napkin Ring, each	4.10
B730	Baby Spoon, bent handle, light ea.	3.15
B731	Baby Spoon, bent handle, medium, each	3.87
B732	Baby Spoon, short handle, each	3.65
B733	Beef Fork, each	7.24
B734	Berry Forks, doz.	7.24
B735	Berry Spoons, each	37.29
B736	Bon Bon Spoon, each	19.35
B737	Bon Bon Tongs, each	4.60
B738	Bouillon Spoons, doz.	63.89
B739	Bouillon Spoons, small, doz.	47.92
B740	Butter Knife, each	8.47
B741	Butter Pick, each	3.87
B742	Butter Spreaders, flat, doz.	63.89
B743	Butter Spreaders, H. H., doz.	63.89
B744	Carving Set, bird, 2 pcs., set	15 95
B745	Carving Set, bird, 3 pcs. set	23 97
B746	Carving Set, game, 2 pcs., set	21 94
B747	Carving Set, game, 3 pcs., set	47.92
B748	Carving Set, game, large, 2 pc., set	31.94
B749	Carving Set, game, large, 3 pc., set	47.92
B750	Cheese Scoop, royal, each	4.10
B751	Cheese Scoops, small, each	7.49
B752	Cheese Server, H. H., each	5.32
B753	Child's Set, 3 pc., H. H. knife, light weight teaspoon, set	13.32
B754	Chocolate Muddlers, each	9.20
B755	Chocolate Spoons, doz.	29.04
B756	Coffee Spoons, doz	20.05
B757	Cold Meat Forks, each	12.09
B758	Cream Ladle, each	5.57
B759	Cucumber Server, each	9.67
B760	Dessert Forks, heavy, doz.	86.27
B761	Dessert Knives, H. H., doz.	79.35
B762	Dessert Spoons, heavy, doz.	86.27
B763	Fish Forks, individual, doz.	106.32
B764	Fish Fork, serving each	20.55
B765	Fish Knives, individual, doz.	106.32
B766	Fish Knife, serving, each	33.35
B767	Food Pusher, each	3.38
B768	Fruit Knives, H. H., doz.	60.48
B769	Grape Fruit Spoons, doz.	53.24
B770	Gravy Ladle, each	13.60
B771	Horse Radish Spoon, each	5.05
B772	Ice Cream Spoons, doz.	48.40
B773	Ice Spoons, each	16.57
B774	Iced Tea Spoons, doz.	62.89
B775	Jam Spoon, each	4.84
B776	Jelly Server, each	4.84
	Jelly Spoon, each	11.14
B777	Lemon Fork, each	3.65
B778	Lemon Knife, H. H., each	5.32
B780	Lettuce Fork, each	8.93
B781	Lettuce Spoon, each	11 12
B782	Mayonnaise Ladle, each	5.80
B783	Medium Knives, H. H., doz.	93 19
B784	Mustard Spoon, each	4 10
B785	Napkin Marker, each	9.84
B786	Nut Pick H. H., each	13 32
B787	Nut Spoon, each	20 55
B788	Olive Fork short, each	4.10
B789	Olive Fork long, each	7 24
B790	Olive Spoon short, each	5.05
B791	Olive Spoon long, each	13.32
B792	Orange Spoons, doz.	55.85
B793	Oyster Forks, doz.	45.19
B794	Oyster Cocktail Forks, doz	39.87
B795	Oyster Ladle, each	41.37
B796	Pickle, Fork, short, each	4.10
B797	Pickle Fork, long, each	7.23
B798	Pie Server, H. H., each.	10.64
B799	Poultry Shears, each	18.60
B800	Preserve Spoon, each	13.75
B801	Punch Ladle, each	60.42
B802	Ramekin Forks, doz.	45.19
B803	Roast Holder, each	15.95
B804	Salad Forks, individual, doz	71.30
B805	Salad Set (Spoon and Fork), set	39.87
B806	Salt Spoon, each	2.39
B807	Salt Spoons, individual, doz.	13.32
B808	Sandwich Fork, each	8.19
B809	Sardine Fork, each	5.57
B810	Sherbet Spoons, doz.	37.29
B811	Soup Ladle, each	50.00
B812	Soup Spoons, heavy, doz.	65.19
B813	Sugar Sifter, each	6.27
B814	Sugar Spoon, each	6.00
B815	Sugar Tongs, each	6.27
B816	Table Spoons, heavy, doz.	91.19
B817	Teaspoons, 5 o'clock, doz.	27.92
B818	Teaspoons, medium, doz.	33.35
B819	Teaspoons, heavy, doz.	41 24
B820	Teaspoons, extra heavy, doz	49.45
B821	Tenette, each	9.67
B822	Tea Strainer, long handle, each	8.92
B823	Tea Strainer, short handle, each	8.47
B824	Tea Strainer with drip cup each	16.44
B825	Tomato Server, each	18.12

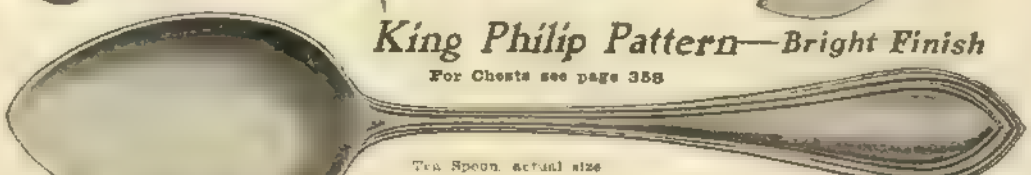
Bonbon Shell, 2/7 size
Sugar Tongs, 2/7 size
Butter Knife, 2/7 size
Cheese Scraper, 2/7 size
Orange Spoon, 2/7 size
Individual Salad Fork, 2/7 size
Oyster Fork, 2/7 size
Bon Bon Spoon, 2/7 size
Tomato or Cucumber Server, 2/7 size
Beef Fork, 2/7 size
Berry or Lemon Fork, 2/7 size
Coffee Spoon, 2/7 size
Medium Knife, 2/7 size
Medium Fork, 2/7 size
Berry Spoon, 2/7 size
Lettuce Fork, 2/7 size
Bon Bon, 2/7 size
Pickle Fork, 2/7 size
Gravy Ladle, 2/7 size
Meat Knife, 2/7 size
Cold Meat Fork, 2/7 size
Hollow Handle Pie Knife, 2/7 size
Cheese Server, 2/7 size

Sterling Silver Flat-ware

925/1000 Fine

King Philip Pattern—*Bright Finish*

For Chests see page 358



All Fancy Pieces Put up in Lined Boxes

All Items Listed in Alphabetical Order.

Always state whether Plain or Gilt. When not specified we will send Plain.

No.		Plain	Gilt
B826	Asparagus Fork, each	$33.55	$35.93
B827	Berry Forks, doz.	39.53	44.34
B828	Berry Spoons, sm., each	18.43	20.37
B829	Berry Spoons, lg., each	21.55	23.97
B830	Bon Bon Scoop, each	6.22	6.13
B831	Bon Bon Spoons, sm., ea.	3.33	5.97
B832	Bon Bon Spoons, lg., doz.	68.29	80.25
B833	Bon Bon Spoons, sm., doz.	55.83	68.27
B834	Butter Knife, sm., ea.	8.97	
B835	Butter Knife, lg., ea.	11.97	
B836	Butter Picks, each	4.80	5.27
B837	Butter Spds., sm., doz.	53.92	
B838	Cake Fork, each	11.05	
B839	Cake Knife, flat saw blade, ea.	23.97	27.55
B840	Cake Knife, H. H., each	31.13	
B841	Carving Fork, chop, ea.	7.92	
B842	Carving Fork, game, ea.	19.17	
B843	Carving Fork, lg., ea.	19.17	
B844	Carving Fork, steak, ea.	8.87	
B845	Carving Knife, chop, ea.	7.92	
B846	Carving Knife, game, ea.	19.17	
B847	Carving Knife, lg., ea.	19.17	
B848	Carve Knife, steak, ea.	8.87	
B849	Carving Steel, large, each	19.17	
B850	Cheese Scoop, each	6.22	7.17
B851	Cheese Knife, each	11.97	
B852	Cheese Steel, sm., ea.	8.87	10.05
B853	Cheese Scoop, H. H., ea.	13.75	
B854	Cheese Server, each	6.22	
B855	Cheese Server, H. H., ea.	5.50	
B856	Child's Fork, each	6.47	
B857	Child's Knife, each	6.22	
B858	Child's Set, 2 pieces, H. H. Knife set	16.05	
B859	Chipped Beef Fork, each	6.22	
B860	Coffee Spoons, doz.	57.50	68.28
B861	Coffee Spoons, sm., doz.	21.55	25.17
B862	Coffee Spoons, lg., doz.	28.75	33.55
B863	Cold Meat Fork, sm., ea.	10.78	11.97
B864	Cold Meat Fork, lg., ea.	18.45	20.13
B865	Cream Ladle, sm., ea.	6.22	7.20
B866	Cream Ladle, lg., ea.	9.58	11.25
B867	Cumb Knife, ea.	43.13	
B868	Cucumber Server, sm., ea.	9.58	
B869	Dessert Knives, lgt., doz.	67.08	
B870	Dessert Knives, med., doz.	73.48	
B871	Dessert Knives, H. H., steel blades, doz.	70.27	
B872	Dessert Knives, H. H., plated blades, doz.	74.55	
B873	Dessert Spoons, lgt., doz.	67.08	
B874	Dessert Spoons, med., doz.	73.48	
B875	Fish Fork, sm., ea.	20.13	22.50
B876	Fish Fork, ind., sm., doz.	80.72	96.62
B877	Fish Knife, small, each	25.88	
B878	Fish Kvs., ind., H. H., doz.	83.83	
B879	Food Pusher, each	5.50	
B880	Fruit Knives, doz.	86.25	
B881	Gravy Ladle, small, each	14.56	16.05
B882	Gravy Ladle, large, each	18.45	20.37
B883	Ice Cream Forks, doz.	71.88	81.47
B884	Ice Cream Slicer, flat, each	28.75	
B885	Ice Cream Slicer, H. H., ea.	13.42	
B886	Ice Cream Spoons, doz.	71.88	81.47
B887	Ice Spoon, each	16.05	
B888	Iced Tea Spoons, doz.	71.88	81.47
B889	Ice Tongs, each	21.55	
B890	Jelly Server, each	9.58	
B891	Jelly Spoon, each	8.13	9.58
B892	Lemon Fork, each	4.80	
B893	Lettuce Fork, each	10.78	11.98
B894	Medium Forks, lgt., doz.	86.25	
B895	Medium Forks, med., doz.	99.02	
B896	Medium Knives, H. H., steel blade, ea.	78.20	
B897	Medium Knives, H. H., plated blade, doz.	83.68	
B898	Mustard Spoon, each	4.80	5.56
B899	Nut Cracker, each	23.97	26.83
B900	Olive Fork, long, each	7.17	7.92
B901	Olive Fork, short, each	5.50	6.22
B902	Olive Spoon, each	7.17	8.13
B903	Olive Spoon, short, ea.	5.50	6.22
B904	Orange Knives, doz.	75.47	
B905	Orange Spoons, sm., doz.	71.88	81.47
B906	Oyster Forks, sm., doz.	43.13	47.92
B907	Oyster Forks, lg., doz.	53.92	61.53
B908	Oyster Ladle, each	37.62	42.05
B909	Oyster Server, each	33.55	38.34
B910	Pastry Forks, doz.	80.25	89.83
B911	Pickle Fork, each	8.13	9.58
B912	Pie Knife, small, each	23.97	26.34
B913	Pie Server, H. H., med. ea.	9.58	
B914	Preserve Spoon, each	13.67	15.34
B915	Punch Ladle, each	63.50	69.97
B916	Roast Holder, H. H., ea.	11.97	
B917	Salad Fork, serving, ea.	21.55	23.97
B918	Salad Fork, ind., sm., doz.	71.88	81.47
B919	Salad Fork, ind., lg., doz.	79.05	88.63
B920	Salad Spoon, serving, ea.	21.55	23.97
B921	Salt Spoon, ind., doz.		15.58
B922	Sardine Fork, each	6.22	7.17
B923	Soup Ladle, sm., ea.	53.92	57.50
B924	Soup Ladle, lg., each	68.28	74.25
B925	Soup Spoons, lgt., doz.	67.08	
B926	Soup Spoons, med., doz.	73.47	
B927	Sugar Sifter, each	9.58	11.25
B928	Sugar Spoon, each	5.50	6.72
B929	Sugar Tongs, 2/7 ea.	6.22	
B930	Table Spoons, lgt., doz.	86.25	
B931	Table Spoons, med., doz.	99.00	
B932	Tea Knives, H. H., doz.	66.42	
B933	Tea, 5 o'clock, doz.	29.72	
B934	Tea Spoons, sm., doz.	26.38	
B935	Tea Spoons, lgt., doz.	33.43	
B936	Tea Spoons, med., doz.	41.52	
B937	Tea Spoons, hvy., doz.	49.38	
B938	Tomato Server, each	21.55	23.25

Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Individual Salad Fork, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Ice Cream Fork, 3/7 size
Orange Spoon, 3/7 size
Iced Tea Spoon, 3/7 size
Oyster Fork, 3/7 size
Tomato or Cucumber Server, 3/7 size
Pickle Fork, 3/7 size
Gravy Ladle, 3/7 size
Cheese Scoop, 3/7 size
Lemon Fork, 3/7 size
Olive Spoon, 3/7 size
Coffee Spoon, 3/7 size
Berry Spoon, 3/7 size
Cold Meat Fork, 3/7 size
Napkin Clip, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Hollow Handle Pie Server
Lettuce Fork, 3/7 size
Bon Bon, 3/7 size
Hollow Handle Cake Server, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Mount Vernon Pattern
Bright Finish

Tea Spoon, actual size

French Gray Wreath

All Items Listed in Alphabetical Order.

For Charts see page 388

No.		Plain
B1542	Asparagus Fork, each	$29.03
B1543	Baby Fork, short handle, each	3.65
B1544	Baby Knife, H. H., each	4.83
B1545	Baby Napkin Ring, each	4.10
B1546	Baby Spoon, bent handle, light, each	3.15
B1547	Baby Spoon, bent handle, medium, each	3.87
B1548	Baby Spoon, short handle, each	3.65
B1549	Beef Fork, each	7.23
B1550	Berry Forks, doz.	37.29
B1551	Berry Spoon, each	20.05
B1552	Bon Bon Spoon, each	4.83
B1553	Bon Bon Tongs, each	4.10
B1554	Bouillon Spoons, doz	63.89
B1555	Bouillon Spoons, small, doz	53.23
B1556	Butter Knife, each	11.12
B1557	Butter Pick, each	4.10
B1558	Butter Spreaders, flat, doz.	63.89
B1559	Butter Spreaders, H. H., doz.	63.89
B1560	Carving Set, bird, 2 pcs., set	15.95
B1561	Carving Set, bird, 3 pcs., set	33.97
B1562	Carving Set, game, 2 pcs., set	31.94
B1563	Carving Set, game, 3 pcs., set	47.92
B1564	Carving Set, large, 2 pcs., set	31.94
B1565	Carving Set, large, 3 pcs., set	47.92
B1566	Cheese Scoop, royal, each	4.10
B1567	Cheese Scoop, small, each	7.49
B1568	Cheese Server, H. H., each	5.32
B1569	Child's set, 2 pcs., H. H., knife	
	Child's set, 3 pcs., H. H., knife, fork and spoon, set	13.32
B1570	Chocolate Muddlers, each	9.20
B1571	Chocolate Spoons, doz.	31.94
B1572	Coffee Spoons, doz.	29.03
B1573	Cold Meat Fork, each	12.09

No.		Plain
B1574	Cold Meat Fork, large, each	15.22
B1575	Cream Ladle, each	6.04
B1576	Cucumber Server, each	9.67
B1577	Dessert Forks, heavy, doz	68.82
B1578	Dessert Knives, H. H., doz	79.85
B1579	Dessert Spoons, heavy, doz.	68.82
B1580	Fish Forks, individual, doz	111.37
B1581	Fish Forks, serving, each	21.95
B1582	Fish Knives, individual, doz.	113.84
B1583	Fish Knife, serving, each	29.47
B1584	Food Pusher, each	3.39
B1585	Fruit Knives, H. H., doz.	80.49
B1586	Grape Fruit Spoons, doz.	53.23
B1587	Gravy Ladle, each	12.09
B1588	Horse Radish Spoon, each	5.05
B1589	Ice Cream Spoons, doz	48.40
B1590	Ice Spoons, each	14.84
B1591	Iced Teaspoons, doz.	63.89
B1592	Jam Spoons, each	4.10
B1593	Jelly Server, each	4.55
B1594	Jelly Spoon each	10.15
B1595	Lemon Fork, each	3.85
B1596	Lemon Knife, H. H., each	5.32
B1597	Lettuce Fork, each	3.92
B1598	Lettuce Spoon, each	5.80
B1599	Mayonnaise Ladle, each	6.04
B1600	Medium Forks	94.44
B1601	Medium Knife, H. H., doz.	90.70
B1602	Mustard Spoon, each	4.34
B1603	Napkin Marker, each	6.04
B1604	Napkin Ring, each	11.12
B1605	Nut Spoon, each	20.32
B1606	Olive Fork, short, each	4.10
B1607	Olive Fork, long, each	7.42
B1608	Olive Spoon, short, each	4.83

No.		Plain
[illegible]609	Olive Spoon, long, each	7.87
B1610	Orange Spoons, doz	53.23
B1611	Oyster Forks, doz	47.92
B1612	Oyster Cocktail Forks, doz	39.87
B1613	Oyster Ladle, each	43.55
B1614	Pickle Fork, short, each	4.10
B1615	Pickle Fork, long, each	7.23
B1616	Pie Server, H. H., each	10.64
B1617	Poultry Shears, each	18.60
B1618	Preserve Spoon, each	14.50
B1619	Punch Ladle, each	58.09
B1620	Ramekin Forks, doz	46.00
B1621	Roast Holder, each	15.95
B1622	Salad Forks, individual, doz.	71.30
B1623	Salad Set (Spoon and Fork), set	38.72
B1624	Salt Spoons, each	2.65
B1625	Salt Spoons, individual, doz	13.32
B1626	Sandwich Fork, each	8.47
B1627	Sardine Fork, each	5.32
B1628	Sherbet Spoons, doz	37.25
B1629	Soup Ladle, each	48.40
B1630	Soup Spoons, heavy, doz	68.82
B1631	Sugar Sifter, each	6.27
B1632	Sugar Spoons, each	6.04
B1633	Sugar Tongs each	5.80
B1634	Table Spoons, heavy, doz.	94.44
B1635	Tea Spoons, 5 o'clock, doz	27.92
B1636	Tea Spoons, medium, doz	34.37
B1637	Tea Spoons, heavy, doz	43.02
B1638	Tea Spoons, extra heavy	51.62
B1639	Teaette, each	9.67
B1640	Tea Strainer, long handle, each	9.92
B1641	Tea Strainer with drip cup, each	16.44
B1642	Tomato Server, each	18.14

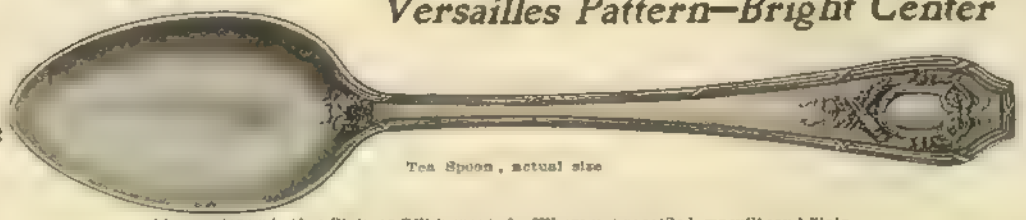
Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Individual Butter Spreader
Orange Spoon, 3/7 size
Bon Bon, 3/7 size
Soup Spoon, 3/7 size
Coffee Spoon, 3/7 size
Lettuce Fork, 3/7 size
Berry Spoon, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Hollow Handle Pie Server
Bouillon Spoon, 3/7 size
Cold Meat Fork, 3/7 size
Gravy Ladle, 3/7 size
Large Pickle Fork, 3/7 size

Versailles Pattern—Bright Center

French Gray Border and Shield

Sterling Silver Flatware

925/1000 Fine



All Fancy Pieces Put Up in Lined Boxes

Always state whether Plain or Gilt is wanted. Where not specified, we will send Plain.

All Items Listed in Alphabetical Order.

For Charts see page 358

No.		Plain	Gilt
B1643	Asparagus, H. H., Serv., ea	$34.67	$37.34
B1644	Berry Forks, doz.	37.34	42.67
B1645	Berry Spoon, each	21.34	23.47
B1646	Bon Bon Scoop, each	5.34	5.87
B1647	Bon Bon Tong, each	4.00	4.80
B1648	Bouillon Spoons, doz.	58.67	69.34
B1649	Butter Knife, each	10.67	12.00
B1650	Butter Picks, each	4.53	5.07
B1651	Butter Spreaders, doz.	61.34	69.34
B1652	Butter Spdrs., H. H., doz.	64.00	
B1653	Cake Knife, H. H., each	11.47	14.13
B1654	Cake Server, H. H., each	9.87	12.53
B1655	Carving Set, game, set	37.34	
B1656	Carving Set, large, set	56.00	
B1657	Carving Set, steak, set	18.67	
B1658	Carving Set, steak, with guards, set	21.34	
B1659	Cheese Server, H. H., each	5.87	
B1660	Cheese Scoop, each	11.47	
B1661	Child's Fork, each	6.13	
B1662	Child's H. H. Knife each	5.87	
B1663	Child's Set, 3 pcs., set	16.27	
B1664	Child's Spoon, each	2.88	3.34
B1665	Coffee Spoons, med., doz.	25.34	30.33
B1666	Cold Meat Fork, sm., ea.	10.13	11.20
B1667	Cold Meat Fork, lg., ea.	16.00	17.34
B1668	Cream Ladle, each	8.53	9.60
B1669	Cucumber Server, each	17.34	18.67
B1670	Dessert Forks, hvy., doz.	74.78	
B1671	Dessert Knives, H. H., doz.	85.34	
B1672	Dessert Spoons, hvy., doz.	74.78	
B1673	Duck Shears, H. H., each	21.34	
B1674	Fish Fork, ind., doz.	121.60	134.93
B1675	Fish Fork, serving, each	20.00	22.67
B1676	Fish Knife, ind., doz.	138.67	
B1677	Fish Knife, serving, each	21.34	25.34
B1678	Food Pushers, each	3.47	4.00
B1679	Fruit Knives, H. H., doz.	64.00	
B1680	Gravy Ladle, each	17.34	18.93
B1681	Ice Cream Forks, doz.	57.60	65.60
B1682	Ice Cream Slicer, each	14.13	18.13
B1683	Ice Cream Spoons, doz.	57.60	62.93
B1684	Ice Tea Spoons, doz.	77.34	85.34
B1685	Infant Fork, each	4.27	
B1686	Infant Spoon, each	3.73	
B1687	Jelly Knife, each	8.00	9.34
B1688	Mayonnaise Ladle, each	5.87	6.67
B1689	Med. Forks, heavy, doz.	92.78	
B1690	Med. Knives, H. H., doz.	96.00	
B1691	Olive Fork, large, each	7.20	8.00
B1692	Olive Fork, small, each	5.34	6.13
B1693	Olive Spoon, short, each	4.80	5.34
B1694	Orange Knives, H. H., doz.	69.34	
B1695	Orange Spoons, doz.	64.00	72.00
B1696	Oyster Forks, doz.	45.87	51.20
B1697	Pickle Fork, each	7.20	8.27
B1698	Pie Server, H. H. each	11.47	14.13
B1699	Preserve Spoon, each	14.67	19.53
B1700	Relish Fork, each	16.00	
B1701	Salad Fork, H. H., olive wood, each	8.53	
B1702	Salad Fork, ind., doz.	85.34	96.00
B1703	Salad Fork, large, each	19.73	21.87
B1704	Salad Spoon, each	19.73	21.87
B1705	Salad Spoons, H. H., olive wood, each	8.53	
B1706	Salt Spoons, doz.	22.40	29.40
B1707	Sardine Forks, each	5.34	6.67
B1708	Serving Spoon, each	16.00	
B1709	Soup Spoons, hvy. doz.	76.67	
B1710	Sugar Spoon, each	6.67	7.47
B1711	Sugar Tong, each	7.20	8.53
B1712	Table Spoon, ex. hvy., doz.	99.40	
B1713	Tea Forks, doz.	73.60	
B1714	Tea, 5 o'clock, doz.	30.77	
B1715	Tea Spoons, extra, doz.	41.42	
B1716	Tea Spoons, hvy., doz.	49.70	
B1717	Tea Spoons, ex. hvy., doz.	58.22	
B1718	Tomato Server, each	16.00	17.34

Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Individual Salad Fork, 3/7 size
Cream Ladle, 3/7 size
Gravy Ladle, 3/7 size
Cold Meat Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Lettuce Fork, 3/7 size
Game Carver, 3/7 size
Berry or Lemon Fork, 3/7 size
Orange Spoon, 3/7 size
Bon Bon, 3/7 size
Coffee Spoon, 3/7 size
Individual Salt Spoon, 3/7 size
Berry Spoon, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Game Carving Fork, 3/7 size
Butter Pick, 3/7 size
Soup Spoon, 3/7 size
Pickle Fork, 3/7 size
Olive Spoon, 3/7 size
Master Fork, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Queen Louise Pattern—New Pearl Gray Finish

All Fancy Pieces Put Up in Lined Boxes

Always State whether Plain or Gilt. When not specified we will send Plain.

No.		Plain	Gilt
B1719	Asparagus Fork, each	$33.55	$35.93
B1720	Berry Forks, doz.	39.53	44.34
B1721	Berry Spoon, small, each	18.43	20.37
B1722	Berry Spoon, large, each	21.55	23.97
B1723	Bon Bon Scoop, each	6.22	8.13
B1724	Bon Bon Spoon, sm., each	3.83	5.97
B1725	Bouillon Spoons, lg., doz.	68.28	80.25
B1726	Bouillon Spoons, sm., doz.	55.83	68.27
B1727	Butter Knife, sm., each	9.87	
B1728	Butter Knife, lg., each	11.97	
B1728	Butter Picks, each	4.80	5.27
B1730	Butter Spoon, small, doz.	53.92	
B1731	Cake Fork, each	11.05	
B1732	Cake Knife, flat, saw back, ea.	23.97	27.55
B1733	Cake Knife, H. H., each	31.13	
B1734	Carving Fork, chop, each	7.92	
B1735	Carving Fork, game, each	19.17	
B1736	Carving Fork, steak, each	19.17	
B1737	Carving Fork, steak, each	9.87	
B1738	Carving Knife, chop, each	7.92	
B1739	Carving Knife, game, each	19.17	
B1740	Carving Knife, steak, each	19.17	
B1741	Carving Knife, steak, each	9.87	
B1742	Carving Knife, large, each	19.17	
B1743	Cheese Cutter, each	6.22	7.17
B1744	Cheese Knife, each	11.97	
B1745	Cheese Scoop, small, each	9.87	10.05
B1746	Cheese Scoop, H. H., each	13.75	
B1747	Cheese Server, each	6.22	
B1748	Cheese Server, H. H., each	5.50	
B1749	Cheese Picks, each	6.47	
B1750	Child's Knife, each	6.22	
B1751	Child's Set, 2 pcs., H. H. knife set	16.05	
B1753	Chocolate Spoons, doz.	57.50	68.28
B1754	Coffee Spoons, sm., doz.	21.55	25.17
B1755	Coffee Spoons, lg., doz.	28.75	33.56
B1756	Cold Meat Fork, sm., each	10.78	11.97

All Items Listed in Alphabetical Order.

No.		Plain	Gilt
B1757	Cold Meat Fork, lg., each	18.45	20.13
B1758	Cream Ladle, small, each	6.22	7.20
B1759	Cream Ladle, large, each	9.58	11.25
B1761	Cucumber Server, sm., ea.	9.58	
B1762	Dessert Forks, lgt. doz.	67.08	
B1763	Dessert Forks, med., doz.	73.48	
B1764	Dessert Knives, H. H. steel blades, doz.	70.27	
B1765	Dessert Knives, H. H. plated blades, doz.	74.55	
B1766	Dessert Spoons, lgt., doz.	67.08	
B1767	Dessert Spoons, med., doz.	73.48	
B1768	Fish Fork, small, each	20.13	22.50
B1769	Fish Fork, ind. sm., doz.	80.72	88.63
B1770	Fish Knife, small, each	25.88	
B1771	Fish Knife, ind., H. H., doz.	83.83	
B1772	Fruit Spoon, each	5.50	
B1773	Fruit Knives, doz.	86.25	
B1774	Gravy Ladle, small, each	14.58	16.06
B1775	Gravy Ladle, large, each	18.45	20.37
B1776	Ice Cream Forks, doz.	71.88	81.47
B1777	Ice Cream Slicer, flat, ea.	28.75	
B1778	Ice Cream Slicer, H. H., ea.	13.42	
B1779	Ice Cream Spoons, doz.	71.88	81.47
B1781	Iced Tea Spoons, doz.	71.88	81.47
B1782	Ice Tongs, each	21.55	
B1784	Jelly Spoon, each	8.13	9.58
B1785	Lemon Fork, each	4.80	
B1786	Lettuce Fork, each	10.78	11.98
B1787	Medium Forks, lgt., doz.	86.25	
B1788	Medium Forks, med., doz.	99.02	
B1789	Medium Knives, H. H. steel blades, doz.	78.30	
B1790	Medium Knives, H. H. plated blades, doz.	93.88	
B1791	Mustard Spoon, each	4.80	5.50
B1793	Olive Fork, long, each	7.17	7.92

For Charts see page 358.

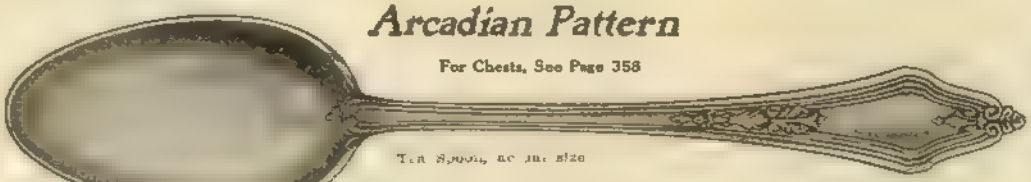
No.		Plain	Gilt
B1794	Olive Fork, short, each	5.50	5.82
B1795	Olive Spoon, long, each	7.17	8.13
B1796	Olive Spoon, short, each	5.50	6.22
B1797	Orange Knives, doz.	75.47	
B1798	Orange Spoons, sm., doz.	71.88	81.47
B1799	Oyster Forks, sm., doz.	43.13	47.92
B1800	Oyster Forks, lg., doz.	53.92	61.83
B1801	Oyster Ladle, each	37.62	42.05
B1803	Pastry Forks, doz.	80.25	89.83
B1804	Pickle Fork, each	8.13	9.58
B1805	Pie Knife, small, each	23.97	26.34
B1806	Pie Server, H. H., med., ea.	9.58	
B1807	Preserve Spoon, each	13.67	15.34
B1808	Punch Ladle, each	63.50	69.97
B1809	Roast Holder, H. H., each	11.97	
B1810	Salad Fork, serving, each	21.55	23.97
B1811	Salad Fork, ind., sm., doz.	71.88	81.47
B1812	Salad Fork, ind., lg., doz.	79.06	88.63
B1813	Salad Spoon, serving, each	21.55	23.97
B1814	Salt Spoon, ind., doz.		15.58
B1815	Sardine Fork each	6.22	7.17
B1816	Soup Ladle, small each	53.92	57.50
B1817	Soup Ladle, large each	68.28	74.25
B1818	Soup Spoons, lgt., doz.	67.08	
B1819	Soup Spoons, med., doz.	73.47	
B1820	Sugar Shell, each	9.58	11.25
B1821	Sugar Sifter, each	5.50	6.72
B1822	Sugar Tongs, small, each	6.22	
B1823	Table Spoons, lgt., doz.	86.25	
B1824	Table Spoons, med., doz.	99.00	
B1825	Tea Knives, H. H., doz.	66.42	
B1826	Tea, 5 o'clock, doz.	28.72	
B1827	Tea Spoons, small, doz.	26.39	
B1828	Tea Spoons, light, doz.	33.43	
B1829	Tea Spoons, med., doz.	41.52	
B1830	Tea Spoons, heavy, doz.	49.38	
B1831	Tomato Server, each	21.55	23.25

Coffee Spoon, 3/7 size
Butter Knife, 3/7 size
Sugar Shell, 3/7 size
Oyster Fork, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Bouillon Spoon, 3/7 size.
Olive Spoon, 3/7 size
Soup Spoon, 3/7 size
Iced Tea Spoon, 3/7 size
Gravy Ladle, 3/7 size
Sauce Ladle, 3/7 size.
Berry Spoon, 3/7 size
Hollow Handle Pie Server, 3/7 size
Lemon Fork, 3/7 size.

Sterling Silver Flatware 925/1000 Fine

Arcadian Pattern

For Chests, See Page 358



All Fancy Pieces Put Up in Lined Boxes

Always State Whether Plain or Gilt is Wanted. Where Not Specified We Will Send Plain

All Items Listed in Alphabetical Order

No.		Plain	Gilt
B1832	Asparagus fork, ea.....	$26.10	$29.97
B1833	Baby fork, str. handle, ea.	4.35	
B1834	Baby spoon, str. hndl., ea.	3.67	
B1835	Beef fork, ea.....	12.12	13.07
B1836	Berry forks, doz.....	32.66	
B1837	Berry spoon, ea.....	18.59	21.04
B1838	Bouillon spoons, doz.....	50.83	58.08
B1839	Butter knife, ea.....	9.65	
B1840	Butter pick, ea.....	4.83	
B1841	Butter spreaders, doz.....	65.37	
B1842	Butter spds., H. H., doz..	79.80	
B1843	Carving fork, game, ea...	18.88	
B1844	Carving knife, game, ea..	18.88	
B1845	Carving steel, game, ea...	18.88	
B1846	Carving fork, large, ea..	18.88	
B1847	Carving knife, large, ea..	18.88	
B1848	Carving steel, large, ea...	18.88	
B1849	Carving fork, steak, ea..	9.65	
B1850	Carving knife, steak, ea..	9.65	
B1851	Carving steel, steak, ea..	9.65	
B1852	Cheese scoop, H. H., ea...	11.38	
B1853	Cheese server, H. H., sm., each.....	5.57	
B1854	Cheese server, H. H., lg., each.....	7.29	
B1855	Child's fork, ea.....	6.52	
B1856	Child's knife, H. H., ea..	6.52	
B1857	Child's knife, H. H., short, each.....	6.57	
B1858	Child's set, 3 pcs., H. H., knife, set.....	16.20	
B1859	Chocolate spoons, doz....	41.63	48.87
B1860	Coffee spoons, doz.....	25.37	43.50
B1861	Cold meat fork, ea.....	14.49	16.20
B1862	Cream ladle, ea.....	7.29	7.98
B1863	Cucumber server, ea.....	13.07	14.49
B1864	Dessert forks, ind., doz..	57.99	
B1865	Dessert forks, hvy., doz..	70.95	
B1866	Dessert forks, ex. heavy, doz.....	81.79	
B1867	Dessert knives, H. H., doz.	79.80	
B1868	Dessert spoons, ind., doz.	57.99	
B1869	Dessert spoons, hvy., doz.	70.95	
B1870	Dessert spoons, ex. hvy., doz.....	81.79	
B1871	Fish forks, ind., doz.....	108.91	123.40
B1872	Fish forks, serving, ea....	19.35	21.73
B1873	Fish knives, ind., H. H., doz.....	96.75	
B1874	Fish knife, serving, ea....	39.97	34.60
B1875	Food pusher, ea.....	4.83	
B1876	Fruit knives, H. H., doz..	79.80	
B1877	Gravy ladle, ea.....	13.78	15.58
B1878	Ice cream forks, doz.....	65.37	72.56
B1879	Ice cream server, H. H., each.....	16.20	
B1880	Ice cream spoons, doz....	65.37	72.56
B1881	Ice spoon, ea.....	21.04	22.45
B1882	Iced tea spoons, doz.....	72.55	
B1883	Jelly server, ea.....	5.57	6.75
B1884	Jelly spoon, ea.....	8.25	9.44
B1885	Lemon fork, ea.....	2.92	
B1886	Let ice fork, ea.....	11.39	12.57
B1887	Lettuce spoon, ea.....	11.39	12.57
B1888	Medium forks, med., doz.	63.79	
B1889	Medium forks, hvy., doz..	99.94	
B1890	Medium forks, ex. hvy., doz.....	111.78	
B1891	Medium knives, H. H., doz.....	94.37	
B1892	Mustard spoon, ea.....	4.83	5.57
B1893	Nut spoons, ea.....	16.20	17.90
B1894	Olive fork, large, ea.....	8.25	8.92
B1895	Olive fork, small, ea.....	5.57	6.27
B1896	Olive spoons, large, ea....	8.25	8.92
B1897	Olive spoons, small, ea...	5.57	6.27
B1898	Orange spoons, doz.....	66.77	74.04
B1899	Oyster forks, doz.....	48.37	54.44
B1900	Pickle fork, ea.....	7.29	8.25
B1901	Pie server, H. H., lg., ea..	13.07	
B1902	Pie server, H. H., sm., ea.	9.65	
B1903	Preserve spoon, ea.....	14.49	16.20
B1904	Punch ladle, ea.....	59.27	62.90
B1905	Roast holder, sm., ea.....	13.78	
B1906	Salad forks, ind., doz.....	79.80	94.37
B1907	Salad fork, serving, ea....	22.73	23.22
B1908	Salad spoon, serving, ea..	22.73	23.22
B1909	Salt spoons, doz.....	3.61	4.10
B1910	Salt spoons, ind., doz.....	19.35	25.37
B1911	Sardine fork, ea.....	8.25	9.65
B1912	Sauce ladle, ea.....	4.83	5.57
B1913	Soup ladle, ea.....	51.79	55.40
B1914	Soup spoons, doz.....	73.07	
B1915	Sugar spoon, ea.....	5.57	6.27
B1916	Sugar tong, ea.....	8.25	
B1917	Table spoons, med., doz...	83.79	
B1918	Table spoons, hvy., doz...	99.94	
B1919	Table spoons, ex. hvy., doz.....	116.03	
B1920	Tea knives, H. H., doz....	79.80	
B1921	Tea spoons, med., doz....	32.20	
B1922	Tea spoons, hvy., doz....	41.86	
B1923	Tea spoons, ex. hvy. doz.	49.87	
B1924	Tomato server, ea.....	16.20	18.59

Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Individual Salad Fork, 3/7 size
Orange Spoon, 3/7 size
Sugar Shell, 3/7 size
Oyster Fork, 3/7 size
Olive Spoon, 3/7 size
Pickle Fork, 3/7 size
Ice Cream Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Soup Spoon, 3/7 size
Gravy Ladle, 3/7 size
Lettuce Fork, 3/7 size
Sardine Fork, 3/7 size
Medium Fork, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Medium Knife, 3/7 size
Cold Meat Fork, 3/7 size
Berry Spoon, 3/7 size
Berry or Lemon Fork, 3/7 size
Coffee Spoon, 3/7 size
Hollow Handle Pie Server, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Quincy Pattern—Platinum Finish Handles, Bowls and Tines

For Chests see page 358

All Fancy Pieces Put up in Lined Boxes

All Items Listed in Alphabetical Order.

Always state whether plain or gilt is wanted. Where not specified we will send plain.

No.		Plain	Gilt
B1370	Baby Fork, each	$ 4.10	$ 4.87
B1371	Baby Spoon, bent handle, each	3.89	4.32
B1372	Baby Spoon, straight handle, each	4.10	4.57
B1373	Berry Forks, doz.	32.80	38.27
B1374	Berry Spoon, each	19.14	21.32
B1375	Bon Bon Scoop, each	6.07	6.84
B1376	Bon Bon Tongs, each	4.94	6.29
B1377	Bouillon Spoons, doz.	41.00	49.20
B1378	Breakfast Knives, H. H., doz.	63.00	
B1379	Butter Knife, each	7.37	8.75
B1380	Butter Picks, each	4.64	5.20
B1381	Butter Spreaders, large, doz.	65.60	73.80
B1382	Butter Spreaders, small, doz.	54.67	62.87
B1383	Carving Set, 2 pc., game, set	35.54	
B1384	Carving Set, 2 pc. game, without guards, set	30.07	
B1385	Carving Set, 3 pc. large, set	60.14	
B1386	Carving Set, 3 pc. large, without guards, set	47.84	
B1387	Cheese Server, H. H., ea.	5.47	
B1388	Child's Fork, each	5.47	
B1389	Child's Knife, H. H., each	5.24	
B1390	Child's Set, 3 pcs., set	13.67	
B1391	Chocolate Spoons, doz.	38.27	43.74
B1392	Coffee Spoons, small, doz	23.24	28.70
B1393	Coffee Spoons, large, doz	28.70	34.17
B1394	Cold Meat Fork, small, each	8.20	9.29
B1395	Cold Meat Fork, large, ea	15.04	16.04
B1396	Cream Ladle small, each	5.47	6.29
B1397	Cream Ladle, large, each	8.20	9.57
B1398	Dessert Forks, trade, doz	9.54	
B1399	Dessert Forks, medium, doz.	72.40	
B1400	Dessert Knives, H. H., doz	76.54	
B1401	Dessert Spoons, trade, doz	59.54	
B1402	Dessert Spoons, medium, doz.	72.40	
B1403	Food Pushers, each	4.64	5.20
B1404	Gravy Ladle, each	15.04	16.40
B1405	Hollow Server, each	5.47	
B1406	Ice Cream Forks, doz.	60.14	65.60
B1407	Iced Tea Spoons, doz	62.87	71.00
B1408	Jelly Shell, each	9.74	
B1409	Lettuce Fork, each	10.94	12.30
B1410	Medium Forks, trade, doz	76.54	
B1411	Medium Forks, medium, doz	89.44	
B1412	Medium Knives, H. H. doz	87.47	
B1413	Mustard Spoon, each	4.10	4.64
B1414	Olive Fork, each	4.10	4.94
B1415	Olive Spoon, each	4.10	4.94
B1416	Orange Spoons, doz.	60.14	68.34
B1417	Oyster Forks, doz.	38.27	43.74
B1418	Oyster Ladle, each.	31.44	34.17
B1419	Pickle Fork, each	5.47	6.29
B1420	Pie Server, H. H. No. 1 ea.	10.94	
B1421	Pie Serve H. H. No. 2 ea.	9.57	
B1422	Salad Forks, individual, doz.	73.80	86.92
B1423	Salad Forks, serving, ea.	15.04	16.94
B1424	Salad Spoon, serving, ea.	15.04	16.94
B1425	Salt Spoons, doz.	13.12	15.86
B1426	Sardine Fork, each	8.20	9.02
B1427	Soup Ladle, each	49.20	54.67
B1428	Set, Spoons, trade, doz	59.54	
B1429	Sugar Shell, each	5.47	6.29
B1430	Sugar Tongs, each	8.20	9.57
B1431	Table Spoons, trade, doz	76.54	
B1432	Table Spoons, medium, doz.	89.44	
B1433	Tea Spoons, trade, doz.	35.50	
B1434	Tea Spoons, medium, doz	34.00	
B1435	Tea Spoons, heavy, doz	42.54	
B1436	Tomato Server, each	16.40	18.32

Sugar Shell, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Forks 3/7 size
Olive Spoon, 3/7 size
Iced Tea Spoon 3/7 size
Lettuce Fork, 3/7 size
Medium Knife, 3/7 size
Berry Spoon, 3/7 size
Ice Cream Fork, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Bon Bon, 3/7 size
Olive Spoon 3/7 size
Berry or Lemon Fork, 3/7 size
Individual Salt Spoon, 3/7 size
Hollow Handle Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Pickle Fork, 3/7 size
Soup Spoon, 3/7 size
Gravy Ladle, 3/7 size
Medium Fork, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Bread Server, 3/7 size

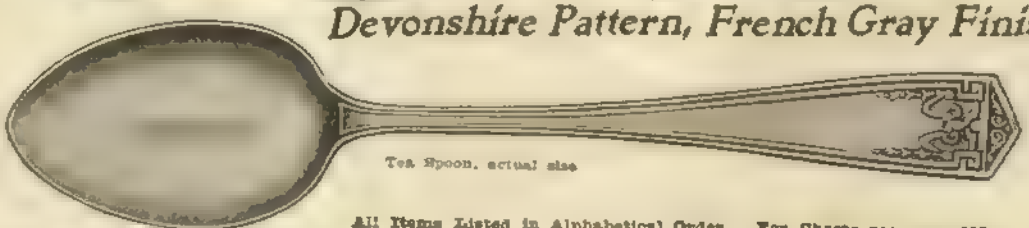
Sterling Silver Flatware

925/1000 Fine

Devonshire Pattern, French Gray Finish

All Fancy Pieces Put Up in Lined Boxes

Always state whether Plain or Gilt is wanted. When not specified, we will send Plain



No.		Plain	Gilt
B1437	Asparagus Fork, each	$37.24	$32.72
B1438	Baby Fork, sh. hdl., ea.	4.12	
B1439	Baby Spoon, bt. hdl., ea.	4.12	4.55
B1440	Baby Spoon, sh. hdl., ea.	4.12	4.55
B1441	Berry Forks, doz.	36.92	42.38
B1442	Berry Spoon, each	21.87	23.25
B1443	Bon Bon Spoon, each	6.02	6.25
B1444	Bon Bon Spoon, doz.	51.92	60.13
B1445	Bread Knife, H. H., each	12.32	
B1446	Butter Knife, each	3.20	
B1447	Butter Pick, each	4.87	5.06
B1448	Butter Spds., bt. hdl., doz.	68.88	77.08
B1449	Butter Spds., sh. hdl., doz.	54.67	62.97
B1450	Butter Spds., H. H., doz.	65.60	
B1451	Cake Server, each	13.67	15.05
B1452	Carving Set, game, set	36.50	
B1453	Carving Set, game, without guards, set	30.67	
B1454	Carving Set, 2 pcs., set	57.40	
B1455	Carving Set, 2 pcs., without guards, set	65.12	
B1456	Carving Set, steel, set	19.13	
B1457	Carving Set, steel, 2 pcs., without guards, set	16.40	
B1458	Cheese Scoop, H. H., each	3.20	
B1459	Cheese Server, H. H., ea.	5.47	
B1460	Child's Fork, each	5.47	
B1461	Child's Knife, H. H., each	5.47	
B1462	Child's Set, 2 pcs., H. H. knife, set	15.05	
B1463	Child's Spoon, each	3.73	3.20
B1464	Chocolate Muddler, each	9.58	10.40
B1465	Chocolate Spoons, doz.	38.27	43.73
B1466	Coffee Spoons, sm., doz.	25.98	30.67
B1467	Coffee Spoons lg., doz.	30.67	34.18
B1468	Cold Meat Fork, sm., ea.	10.93	12.02
B1469	Cold Meat Fork, lg., ea.	17.78	19.13

All Items Listed in Alphabetical Order.

No.		Plain	Gilt
B1470	Cream Ladle, each	3.20	3.00
B1471	Crumb Knife, each	41.00	
B1472	Cucumber Server, each	12.32	13.40
B1473	Dessert Forks, med., doz.	68.00	
B1474	Dessert Forks, hvy., doz.	85.02	
B1475	Dessert Knives, H. H., doz.	82.00	
B1476	Dessert Spoon, med., doz.	68.00	
B1477	Dessert Spoon, hvy., doz.	85.02	
B1478	Fish Forks, ind., doz.	88.57	101.68
B1479	Fish Fork, serv., ea.	20.52	21.87
B1480	Fish Knives, ind., doz.	164.00	180.40
B1481	Fish Knife and Fork, ea.	30.67	32.25
B1482	Fish Pieces, each	5.47	6.02
B1483	Fish Pieces, H. H., doz.	65.60	
B1484	Grape Fruit Spoons, doz.	73.80	82.00
B1485	Gravy Ladle, each	15.05	16.40
B1486	Honey Server, each	5.47	6.02
B1487	Ice Cream Forks, doz.	60.13	65.60
B1488	Ice Cream Spoons, doz.	57.40	62.87
B1489	Ice Spoon, each	19.13	20.52
B1490	Iced Tea Spoons, doz.	73.80	82.00
B1491	Jelly Knife, each	12.32	13.67
B1492	Jelly Server, H. H., each	8.85	
B1493	Jelly Spoon, each	11.77	12.58
B1494	Lemon Fork, each	4.40	4.92
B1495	Lettuce Forks, ind., pr.	9.85	10.67
B1496	Lettuce Forks, serv., pr.	12.32	13.40
B1497	Marmalade Spoon, each	5.47	6.30
B1498	Mayonnaise Ladle, each	5.47	6.30
B1499	Meat Forks, med., doz.	85.02	
B1500	Medium Forks, hvy., doz.	102.34	
B1501	Meat Forks, ex. hvy., doz.	119.05	
B1502	Meat Knives, H. H., doz.	92.93	
B1503	Mustard Spoon, each	4.12	4.87
B1504	Olive Fork, short, each	5.05	5.75
B1505	Olive Fork, long, each	8.20	9.00
B1506	Olive Spoon, short, each	5.47	6.30

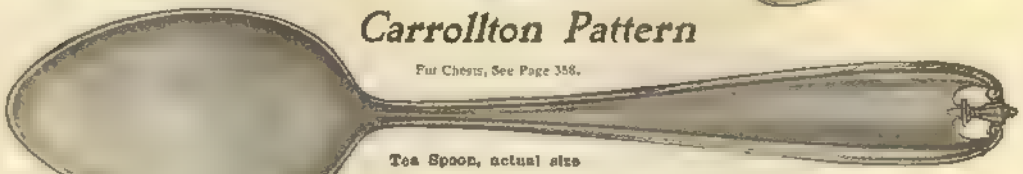
For Chests see page 358.

No.		Plain	Gilt
B1507	Pie Server, each	9.00	9.85
B1508	Pie Servers, doz.	60.13	68.34
B1509	Salad Forks, ind., doz.	49.20	54.67
B1510	Salad Forks, ser., doz.	38.27	43.73
B1511	Oyster Forks, doz.	41.00	44.57
B1512	Pickle Fork, 3/7 size, each	5.05	5.75
B1513	Pie Knife, ser., each	8.20	9.00
B1514	Pie Server, H. H., lg., ea.	10.93	
B1515	Pie Server, H. H., sm., ea.	9.00	
B1516	Pastry Shears, H. H., ea.	27.34	
B1517	Preserve Spoon, each	13.67	14.77
B1518	Punch Ladle, each	60.13	65.60
B1519	Relish Knives, doz.	57.40	62.87
B1520	Salad Forks, ind., doz.	85.28	98.40
B1521	Salad Fork, serv., ea.	17.78	19.13
B1522	Salad Fork, H. H., olive-wood, each	8.20	
B1523	Salad Spoon, serving, ea.	17.78	19.13
B1524	Salad Spoon H. H., olive-wood, each	8.20	
B1525	Salt Spoons, doz.	22.97	26.78
B1526	Salt Spoons, ind., doz.	13.12	15.85
B1527	Salt Spoons, each	9.80	9.85
B1528	Sherbet Spoons, doz.	60.13	68.88
B1529	Soup Spoons, med., doz.	68.00	
B1530	Sugar Spoon, each	5.47	6.02
B1531	Sugar Tongs, each	8.80	
B1532	Table Spoons, med., doz.	85.02	
B1533	Table Spoons, hvy., doz.	102.03	
B1534	Table Spoons, ex. hvy., doz.	119.05	
B1535	Tea Forks, med., doz.	58.30	
B1536	Tea Knives, H. H., doz.	71.07	
B1537	Tea Spoons, trade, doz.	35.50	
B1538	Tea Spoons, med., doz.	33.98	
B1539	Tea Spoons, hvy., doz.	42.50	
B1540	Tea Spoons, ex hvy., doz.	51.00	
B1541	Tomato Server, each	17.78	19.13

Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Olive Spoon, 3/7 size
Iced Tea Spoon, 3/7 size
Soup Spoon, 3/7 size
Berry Spoon, 3/7 size
Medium Knife, 3/7 size
Hollow Handle Pie Server 3/7 size
Cheese Scoop, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Fork, 3/7 size
Pickle Fork, 3/7 size
Gravy Ladle, 3/7 size
Ice Cream Fork, 3/7 size
Cold Meat Fork, 3/7 size
Medium Fork, 3/7 size
Lettuce Fork, 3/7 size
Pie Server, 3/7 size
Honey Server, 3/7 size
Sardine Fork, 3/7 size
Tomato or Cucumber Server, 3/7 size

Sterling Flatware Silver 925/1000 Fine

Carrollton Pattern



For Chests, See Page 358.

All Fancy Pieces Put Up in Lined Boxes

Always State Whether Plain or Gilt. When Not Specified We Will Send Plain.

All Items Listed in Alphabetical Order.

No.		Plain	Gilt
B939	Asparagus fork, ea.	$33.55	$35 93
B940	Berry forks, doz.	39.53	44.34
B941	Berry spoon, small, ea.	18.43	20.37
B942	Berry spoon, large, ea.	21 55	23.97
B943	Bon bon scoop, ea.	6.22	8.13
B944	Bon bon spoon, small, ea.	3 83	5.97
B945	Bon bon spoons, large, doz	68.28	80.25
B946	Bouillon spoons, small doz	55.63	68.27
B947	Butter knife, small, ea.	8.87	
B948	Butter knife, large, ea.	11.97	
B949	Butter picks, ea.	4.80	5.27
B950	Butter spds., small, doz	53.92	
B951	Cake fork, ea.	11 05	
B953	Cake knife, H. H., ea.	31.13	
B954	Carving fork, chop, ea.	7 92	
B955	Carving fork, game, ea.	19.17	
B956	Carving fork, large, ea.	19.17	
B957	Carving fork, steak, ea.	8.87	
B958	Carving knife, chop, ea.	7.92	
B959	Carving knife, game, ea.	19 17	
B960	Carving knife, large, ea.	19.17	
B961	Carving knife, steak, ea.	8.87	
B962	Carving steel, large, ea.	19.17	
B965	Cheese scoop, small, ea.	8.87	10.05
B966	Cheese scoop, H. H., ea.	13.75	
B967	Cheese server, ea.	6.22	
B968	Cheese server, H. H., ea.	5.50	
B971	Child's set, 3 pcs. H. H. knf	16.05	
B972	Chipped beef fork, ea.	6.22	
B972	Chocolate spoons, doz.	57.50	68.28
B974	Coffee spoons, small, doz.	21 55	25.17
B975	Coffee spoons, large, doz.	28.75	33.55
B976	Cold meat fork, small, ea.	10.78	11.97
B977	Cold meat fork, large, ea.	13.45	20.13
B978	Cream ladle, small, ea.	6.22	7.20
B979	Cream ladle, large, ea.	9.58	11.25
B981	Cucumber server, small, ea.	9.58	
B982	Dessert forks, light, doz.	67.08	
B983	Dessert forks, medium, doz.	73.48	
B984	Dessert knives, H. H., steel blades, doz.	70.27	
B985	Dessert knives, H. H. plated blades, doz.	74.55	
B986	Dessert spoons, light, doz.	67.08	
B987	Dessert spoons, med., doz.	73.48	
B988	Fish fork, small, ea.	20.13	22.50
B989	Fish fork ind., small, doz.	80.72	88.63
B990	Fish knife, small, ea.	25.88	
B991	Fish knives, ind., H. H., doz.	83.33	
B992	Food pusher, ea.	5.50	
B993	Fruit knives, doz.	86.25	
B994	Gravy ladle, small, ea.	14.58	16.05
B995	Gravy ladle, large, ea.	18.45	20.37
B996	Honey spoon, ea.	8.13	9.58
B997	Ice cream forks, doz.	71.88	81.47
B998	Ice cream slicer, H. H., ea.	13.42	
B999	Ice cream spoons, doz.	71.88	81.47
B1000	Ice spoon, ea.	16.05	
B1001	Iced tea spoons, doz.	71.88	81.47
B1003	Jelly server, ea.	9.58	
B1004	Jelly spoon, ea.	8.13	9.58
B1005	Lemon fork, ea.	4.80	
B1006	Lettuce fork, ea.	10.78	11.98
B1007	Medium forks, light, doz.	86.25	
B1008	Medium forks, med., doz.	99.02	
B1009	Medium knives, H. H. steel blade, doz.	78.20	
B1010	Medium knives, H. H. plated blade, doz.	83.68	
B1011	Mustard spoon, ea.	4.80	5.50
B1013	Olive fork, long, ea.	7.17	7.92
B1014	Olive fork, short, ea.	5.50	6.22
B1015	Olive spoon, long, ea.	7.17	8 13
B1016	Olive spoon, short, ea.	5.50	6.22
B1017	Orange knives, doz.	75.47	
B1018	Orange spoons, small, doz	71 88	81.47
B1019	Oyster forks, small, doz.	43.13	47 92
B1020	Oyster forks, large, doz.	53.92	61.83
B1021	Oyster picks, ea.	37 62	42.05
B1022	Oyster server, ea.	33.55	38.34
B1023	Pastry forks, doz.	80.25	89.33
B1024	Pickle fork, ea.	8.13	9.58
B1025	Pie knife, small, ea.	23.97	26.34
B1026	Pie server, H. H. med., ea	9.58	
B1027	Preserve spoon, ea.	13 67	15.34
B1028	Punch ladle, ea.	63.50	69.97
B1029	Roast holder, H. H., ea.	11.97	
B1030	Salad fork, serving, ea.	21.55	23.97
B1031	Salad fork, ind., small, doz	71.88	81 47
B1032	Salad fork, ind., large doz.	79.05	88 63
B1033	Salad spoon, serving, ea.	21.55	23.97
B1034	Salt spoon, ind., doz.		15.58
B1035	Sardine fork, ea.	6.22	7.17
B1036	Soup ladle, small, ea.	53.92	57 50
B1037	Soup ladle, large, ea.	68.28	74.25
B1038	Soup spoons, light, doz.	67.08	
B1039	Soup spoons, med., doz.	73.47	
B1041	Sugar spoon, ea.	5.50	6.72
B1042	Sugar tongs, small, ea.	6.22	
B1043	Table spoons, light, doz.	86 25	
B1044	Table spoons, med., doz.	99 00	
B1045	Tea knives, H. H., doz.	66 42	
B1046	Tea spoons, 5 o'clock, doz.	29.72	
B1047	Tea spoons, small, doz	26 38	
B1048	Tea spoons, light, doz.	33 43	
B1049	Tea spoons, medium, doz	41 52	
B1050	Tea spoons, heavy, doz.	49.38	
B1051	Tomato server, ea.	21.55	23.25

Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Olive Spoon, 3/7 size
Soup Spoon, 3/7 size
Medium Knife, 3/7 size
Preserve Spoon, 3/7 size
Lettuce Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Fork, 3/7 size
Pickle Fork, 3/7 size
Ice Cream Fork, 3/7 size
Medium Fork, 3/7 size
Gravy Ladle, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Pie Server, 3/7 size
Lemon Fork, 3/7 size.
Jelly Server, 3/7 size.
Coffee Spoon, 3/7 size
Sauce Ladle, 3/7 size.

Sterling Silver Flatware

925/1000 Fine

Paul Revere Pattern

For Chests, See Page 358

All Fancy Pieces Put Up in Lined Boxes

Always State Whether Plain or Gilt is Wanted. Where Not Specified We Will Send Plain.

All Items Listed in Alphabetical Order

No.		Plain	Gilt
B1052	Asparagus fork, small, ea.	$26.10	$30.57
B1053	Baby fork, str. handle, ea.	4.17	
B1054	Baby spoon, str. handle, ea.	3.87	
B1055	Beef fork, small, ea.	9.65	10.85
B1056	Berry forks, doz.	39.19	48.89
B1057	Berry spoon, ea.	24.19	27.82
B1058	Bouillon spoons, doz.	48.39	62.90
B1059	Bouillon spoons, lg., doz.	72.39	87.10
B1060	Butter knife, ea.	11.39	
B1062	Butter spreaders, doz.	65.37	
B1063	Butter spds., large, doz.	79.80	
B1064	Butter spds., H. H., doz.	79.80	
B1065	Cake knife, ea.	28.05	
B1066	Carving fork, game, ea.	19.37	
B1067	Carving knife, game, ea.	19.37	
B1068	Carving steel, game, ea.	19.37	
B1069	Carving fork, large, ea.	19.37	
B1070	Carving knife, large, ea.	19.37	
B1071	Carving steel, large, ea.	19.37	
B1072	Carving fork, steak, ea.	9.65	
B1073	Carving knife, steak	9.65	
B1074	Carving steel, steak, ea.	9.65	
B1075	Cheese scoop, small, ea.	11.39	12.87
B1076	Cheese scoop, H. H., ea.	11.39	
B1077	Cheese server, ea.	7.29	10.87
B1078	Cheese svr., H. H., sm., ea.	5.57	
B1079	Child's fork, ea.	7.24	
B1080	Child's knife, H. H., ea.	6.52	
B1081	Child kfe., H. H., short, ea.	5.57	
B1082	Child's set, 2 pcs., set	21.77	
B1083	Child's set, 3 pcs., H. H., knife, set	16.92	
B1084	Chocolate muddler, ea.	11.39	13.75
B1085	Chocolate spoons, doz.	41.64	
B1086	Coffee spoons, doz.	25.37	
B1087	Cold meat fork, ea.	18.60	
B1088	Cold meat fork, large, ea.	25.18	27.57
B1089	Cream ladle, ea.	8.25	9.04
B1090	Cucumber server, ea.	15.47	18.82
B1091	Dessert forks, med., doz.	75.20	
B1092	Dessert forks, hvy., doz.	90.37	
B1093	Dessert fork, ex. hvy., doz	107.57	
B1094	Dessert knives, H. H., doz.	79.80	
B1095	Dessert spoons, med., doz.	75.20	
B1096	Dessert spoons, hvy., doz.	90.37	
B1097	Dessert spoons, ex. hvy., doz.	107.57	
B1098	Fish forks, nd doz	116.15	130.64
B1100	Fish fork, serving, ea.	28.05	31.69
B1101	Fish kvs., in., H. H., doz.	94.37	
B1102	Fish knife, serving, ea.	39.69	45.70
B1103	Food pusher, ea.	5.57	
B1104	Fruit knives, H. H., doz.	79.80	
B1106	Gravy ladle, ea.	16.19	18.60
B1107	Ice cream forks, doz.	72.39	87.10
B1108	Ice cream svr., H. H., ea.	15.47	
B1109	Ice cream spoons, doz.	65.37	
B1110	Iced teaspoons, 8½ in., doz.	79.80	
B1111	Jelly spoon, ea.	15.47	
B1112	Lemon fork, ea.	3.59	
B1113	Lemonade spoons, doz.	58.19	
B1114	Lettuce fork, ea.	11.39	12.57
B1115	Mayonnaise ladle, ea.	8.92	
B1116	Medium forks, med., doz.	98.90	
B1117	Medium forks, hvy., doz.	124.69	
B1118	Medium fks., ex. hvy., doz	148.35	
B1119	Medium knives, H. H., doz.	94.37	
B1120	Mustard spoon, ea.	5.57	
B1121	Olive fork, large, ea.	8.25	9.43
B1122	Olive fork, small, ea.	5.57	6.77
B1123	Olive spoon, large, ea.	8.92	10.19
B1124	Olive spoon, small, ea.	6.27	9.43
B1125	Orange spoons, doz.	72.39	87.10
B1126	Oyster forks, doz.	50.33	60.49
B1127	Oyster ladle, ea.	41.80	46.45
B1128	Pastry forks, doz.	95.84	110.34
B1129	Pickle fork, ea.	8.25	9.43
B1130	Pie knife, ea.	24.19	29.02
B1131	Pie server, H. H., ea.	9.67	
B1132	Preserve spoon, ea.	18.60	21.02
B1133	Punch ladle, ea.	60.49	65.30
B1135	Roast holder, small, ea.	14.49	
B1136	Roast holder, large, ea.	17.90	
B1137	Salad forks, ind., doz.	79.80	94.37
B1138	Salad fork, ind., large, doz.	116.15	130.64
B1139	Salad fork, serving, ea.	29.02	32.64
B1140	Salad spoon, serving, ea.	29.02	32.64
B1141	Salt spoon, doz.	3.40	4.35
B1142	Salt spoons, ind., doz.	19.37	24.19
B1143	Sardine fork, ea.	9.69	10.85
B1145	Sauce ladle, ea.	6.29	9.83
B1146	Soup ladle, ea.	60.49	67.00
B1147	Soup spoons, doz.	63.10	
B1148	Soup spoons, heavy, doz.	98.70	
B1149	Sugar sifter, ea.	15.47	16.69
B1150	Sugar spoon, ea.	7.29	8.45
B1151	Sugar spoon, small, ea.	5.57	6.77
B1152	Tablespoons, med., doz.	98.90	
B1153	Tablespoons, hvy., doz.	124.69	
B1154	Tablespoons, ex. hvy., doz.	148.35	
B1155	Tea forks, doz.	66.62	
B1156	Tea knives, H. H., doz.	79.80	
B1157	Teaspoons, small, doz.	35.35	
B1158	Teaspoons, light, doz.	41.85	
B1159	Teaspoons, medium, doz.	49.87	
B1160	Teaspoons, heavy, doz.	64.47	
B1161	Teaspoons, ex. hvy, doz.	77.35	
B1162	Tomato server, ea.	21.02	23.24

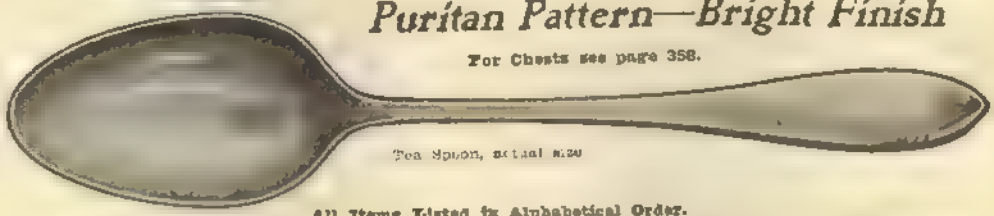
Sugar Tongs, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Fork, 3/7 size
Pickle Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Bouillon Spoon, 3/7 size
Coffee Spoon, 3/7 size
Butter Knife, 3/7 size
Cheese Spreader, 3/7 size
Cream Spoon, 3/7 size
Olive Spoon, 3/7 size
Soup Spoon, 3/7 size
Gravy Ladle, 3/7 size
Lettuce Fork, 3/7 size
Berry Spoon, 3/7 size
Ice Cream Fork, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Puritan Pattern—Bright Finish

For Chests see page 358.



All Fancy Pieces Put up in Lined Boxes

All Items Listed in Alphabetical Order.
Always State Whether Plain or Gilt. When Not Specified We Will Send Plain.

No.		Plain	Gilt
B100	Asparagus Fork, each	$24.00	$26.67
B101	Asparagus Server, H. H., ea	34.67	
B102	Bacon Server, each	12.00	
B103	Berry Spoons, doz.	35.87	31.20
B104	Bon Bon Scoop, each	19.80	21.94
B105	Bouillon Scoop, each	4.80	5.34
B106	Bouillon Tongs, each	4.00	5.03
B107	Butter Spreader, H. H., each	5.34	
B108	Bouillon Spoons, doz.	56.00	58.67
B109	Butter Knife, lg., each	8.00	9.34
B110	Butter Knife, mod., each	7.20	8.54
B111	Butter Spreaders, doz.	53.34	61.34
B112	Cheese Scoop, H. H., each	10.67	13.34
B113	Cheese Server, H. H., each	9.34	12.00
B114	Carving Set, bird, set	14.67	
B115	Carving Set, duck, set	17.60	
B116	Carving Set, game set	26.67	
B117	Carving Set, large set	41.87	
B118	Carving Set, steak, set	16.00	
B119	Cheese Scoop, H. H., each	11.47	14.14
B120	Cream Skimmer, Individual	2.67	3.74
B121	Cheese Server, H. H., each	5.87	
B122	Child's Fork, each	4.80	
B123	Child's Set, Fork & Spoon, each	6.14	
B124	Child's Knife, H. H., each	5.34	
B125	Child's Knife, H. H., short	6.67	
B126	Child's Set, 2 pcs. set	14.14	
B127	Child's Spoon, short, each	4.00	
B128	Coffee Spoons, doz.	24.00	29.34
B129	Cold Meat Fork, lg., each	10.67	12.00
B130	Cold Meat Fork, sm., each	8.00	9.07
B131	Cream Ladle, each	5.87	6.93
B132	Dessert Forks, H. H., doz.	57.75	
B133	Dessert Forks, hvy., doz.	74.55	
B134	Dessert Knives, H. H., doz.	80.00	
B135	Dessert Spoons, H. H., doz.	57.75	
B136	Dessert Spoons, hvy., doz.	74.55	
B137	Egg Spoons, H. H., each	19.74	
B138	Egg Spoons, doz.	34.67	40.00
B139	Fish Forks, large, doz.	96.00	109.34
B140	Fish Fork, large, each	19.74	22.40
B141	Fish Knife, large, each	21.34	25.34
B142	Food Pusher, each	3.74	5.34
B143	Fruit Knives, H. H., doz.	61.34	
B144	Gravy Ladle, each	4.27	
B145	Honey Spoon, each	15.20	16.80
B146	Ice Cream Forks, doz.	48.00	56.00
B147	Ice Cream Spoons, doz.	53.34	59.34
B148	Ice Cream Slicer, H. H., ea.	13.34	17.34
B149	Ice Tongs, each	17.00	
B150	Iced Tea Spoons, doz.	69.34	77.34
B151	Jam Spoon, each	6.00	
B152	Jelly Knife, each	9.87	
B153	Jelly Knife, pred., each	13.87	
B154	Jelly Spoon, each	9.87	
B155	Lemon Fork, each	4.27	5.07
B156	Lemon Fork, small, doz.	29.34	
B157	Lettuce Fork, each	8.54	9.60
B158	Lettuce Salad Spoon, each	9.87	11.20
B159	Marrow Spoon, each	5.87	6.67
B160	Marrow Scoop, each	5.87	6.67
B161	Meat Forks, extra, doz.	82.83	
B162	Meat Forks, hvy., doz.	91.12	
B163	Meat Knives, H. H., doz.	90.67	
B164	Mustard Spoon, each	2.54	3.07
B165	Olive Fork, short, each	4.80	5.60
B166	Olive Fork, long, each	5.34	6.14
B167	Olive Spoon, each	4.27	4.80
B168	Orange Knives, doz.	64.00	
B169	Orange Spoons, doz.	59.67	
B170	Oyster Forks, doz.	45.87	51.20
B171	Oyster Knife, each	37.34	40.00
B172	Pie Knife, each	21.34	23.47
B173	Pie Server, H. H., each	10.67	13.34
B174	Platter Spoon, each	28.00	
B175	Preserve Spoon, each	9.87	11.74
B176	Salad Fork, ind., doz.	57.34	66.00
B177	Salad Fork, large, each	18.67	20.80
B178	Salad Fork, H. H., wood fork, each	8.00	
B179	Salad Set, large, set	17.34	19.47
B180	Salad Set, 2 pcs., each	20.00	
B181	Salad Set, large, H. H., wood bowl, each	8.00	
B182	Salt Spoons, ind., doz.	13.34	16.00
B183	Server, Pie, each	9.87	
B184	Set, wedding, each	16.00	
B185	Sauce Fork, each	6.40	7.74
B186	Sauce Spoon, each	14.14	
B187	Soup Ladle, each	48.00	52.00
B188	Soup Spoons, trade, doz.	63.90	
B189	Soup Spoons, extra, doz.	85.20	
B190	Sugar Sifter, each	7.20	
B191	Sugar Shell, each	5.07	5.87
B192	Sugar Tongs, each	6.94	8.27
B193	Table Spoons, extra, doz.	82.83	
B194	Table Spoons, hvy., doz.	91.12	
B195	Tablespoons, set, doz.	27.94	
B196	Tea Spoons, Oxide, doz.	32.42	
B197	Tea Spoons, extra, doz.	41.42	
B198	Tea Spoons, heavy, doz.	49.70	
B199	Tomato Server, each	13.34	

Sugar Shell, 3/7 size
Oyster Fork, 3/7 size
Lady Dual Salad Fork, 3/7 size
Pickle Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Soup Spoon, 3/7 size
Hollow Handle Meat Knife, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Pie Server, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Coffee Spoon, 3/7 size
Bon Bon Spoon, 3/7 size
Lemon Fork, 3/7 size
Tomato or Cucumber Server, 3/7 size
Napkin Clip, 3/7 size
Butter Spreader, 3/7 size
Orange Spoon, 3/7 size
Olive Spoon, 3/7 size
Ice Cream Fork, 3/7 size
Gravy Ladle, 3/7 size
Medium Fork, 3/7 size
Berry Spoon, 3/7 size
Lettuce Fork, 3/7 size
Cheese Scoop, 3/7 size

Sterling Silver

925/1000 Fine

Nellie Custis Pattern—*Bright Finish*

For Chests see page 358

Tea Spoon, actual size

All items listed in alphabetical order.

No.		
B200	Baby Fork, short handle, each	$ 3.39
B201	Baby Knife H. H., each	4.84
B202	Baby Server, H. H., each	3.65
B203	Baby Spoon, bright bell, each	3.15
B204	Baby Spoon, bright bell, long handle, each	3.87
B205	Bon Bon Spoon, short handle, each	3.39
B206	Bon Bon Tongs, each	6.99
B207	Berry Forks, doz.	37.29
B208	Berry Spoons, each	18.37
B209	Bon Bon Spoons, each	4.84
B210	Bon Bon Tongs, each	4.34
B211	Bouillon Spoons, doz.	55.65
B212	Breakfast Knives, doz.	79.85
B213	Butter Knife, each	3.47
B214	Butter Pick, each	2.40
B215	Butter Spreaders, flat, doz.	63.89
B216	Butter Spreaders, H. H., doz.	63.89
B217	Carving Set, bird, 2 pcs., set	15.99
B218	Carving Set, bright bell, 3 pcs., set	23.97
B219	Carving Set, game, 2 pcs., set	24.20
B220	Carving Set, game, 3 pcs., set	36.12
B221	Carving Set, large, 2 pcs., set	31.92
B222	Carving Set, large, 3 pcs., set	47.92
B223	Cheese Scoop, royal, each	4.10
B224	Cheese Scoop, small, each	7.74
B225	Cheese Server, H. H., each	5.32
B226	Child's Set, 2 pcs., H. H. knife, set	13.32
B227	Chocolate Muddlers, each	8.47
B228	Chocolate Spoons, doz.	26.60
B229	Coffee Spoons, doz.	22.27
B230	Cold Meat Forks, each	13.08
B231	Cream Ladle, each	6.04
B232	Cucumber Server, each	9.87
B233	Dessert Forks, heavy, doz.	66.19

No.		Plain
B234	Dessert Knives, H. H., doz.	79.85
B235	Dessert Spoons, heavy, doz.	66.19
B236	Fish Forks, individual, doz.	111.37
B237	Fish Forks, serving, each	19.42
B238	Fish Knives, individual, doz.	111.37
B239	Fish Knife, serving, each	31.45
B240	Fish Pusher, each	3.39
B241	Fruit Knives, H. H., doz.	60.49
B242	Grape Fruit Spoons, doz.	83.24
B243	Gravy Ladle, each	11.12
B244	Horse Radish Spoon, each	4.60
B245	Ice Cream Forks, doz.	48.39
B246	Ice Cream Spoons, doz.	47.92
B247	Ice Spoons, each	14.70
B248	Iced Tea Spoons, doz.	83.89
B249	Jam Spoons, each	4.10
B250	Jelly Server, each	4.83
B251	Jelly Spoon, each	10.17
B252	Lemon Fork, each	3.39
B253	Lemon Knife, H. H., each	5.32
B254	Lettuce Forks, each	8.90
B255	Lettuce Spoon, each	8.87
B256	Mayonnaise Ladle, each	6.04
B257	Medium Forks, heavy, doz.	81.17
B258	Medium Knives, H. H., doz.	90.70
B259	Mustard Spoon, each	2.40
B260	Napkin Marker, each	3.74
B261	Nut Crack, H. H., each	13.32
B262	Nut Spoon, each	20.07
B263	Olive Fork, short, each	3.65
B264	Olive Fork, long, each	6.89
B265	Olive Spoon, short, each	4.84
B266	Olive Spoon, long, each	7.95
B267	Orange Spoons, doz.	53.24

No.		Plain
B268	Oyster Forks, doz.	42.45
B269	Oyster Cocktail Forks, doz.	37.25
B270	Oyster Ladle, each	41.15
B271	Pickle Fork, short, each	3.65
B272	Pickle Fork, long, each	6.99
B273	Pie Server, H. H., each	10.64
B274	Pickle Pears, each	18.59
B275	Preserve Spoon, each	13.32
B276	Punch Ladle, each	58.09
B277	Ramekin Forks, doz.	50.08
B278	Roast Holder, each	16.00
B279	Salad Forks, individual, doz.	71.39
B280	Salad Set (Spoon and Fork), set	36.74
B281	Salt Spoon, each	2.17
B282	Salt Spoons, individual, doz.	13.32
B283	Sandwich Fork, each	8.47
B284	Sardine Fork, each	5.57
B285	Sauce Ladles, doz.	39.87
B286	Soup Ladle, each	47.87
B287	Soup Spoons, heavy, doz.	66.19
B288	Sugar Shell, each	5.57
B289	Sugar Spoon, each	6.04
B290	Sugar Tongs, each	5.57
B291	Table Spoons, heavy, doz.	81.17
B292	Tea Spoons, 6 o'clock, doz.	27.92
B293	Tea Spoons, extra, doz.	33.45
B294	Tea Spoons, extra heavy, doz.	41.22
B295	Tea Spoons, extra heavy, doz.	49.45
B296	Tea Strainer	5.67
B297	Teaset, with drip cup, each	16.44
B298	Tea Strainer, long handle, each	8.90
B299	Tea Strainer, short handle, each	8.47
B300	Tea Strainer with drip cup, each	16.44
B301	Tomato Server, each	16.72

Sugar Spoon, 3/7 size
Butter Knife, 3/7 size
Pickle Fork, 3/7 size
Gravy Ladle, 3/7 size
Soup Spoon, 3/7 size
Iced Tea Spoon, 3/7 size
Medium Fork, 3/7 size
Hollow Handle Pie Server, 3/7 size
Serving Salad Fork, 3/7 size
Ice Cream Fork, 3/7 size
Fish Set, 3/7 size
Medium Knife, 3/7 size
Cut Meat Fork, 3/7 size
Berry Spoon, 3/7 size
Jelly Server, 3/7 size
Olive Spoon, 3/7 size
Salad Fork, 3/7 size
Individual Salt Spoon, 3/7 size
Coffee Spoon, 3/7 size
Large Spoon, 3/7 size
Iced Fork, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Victoria Pattern—French Gray Finish

Tea Spoon, actual size

All Fancy Pieces Put Up in Lined Boxes

For Chests see Page 356

All Items Listed in Alphabetical Order

No.		Plain	Gilt
B2251	Asparagus Fork, each	$31.70	$36.98
B2252	Berry Spoon, doz.	31 70	36 98
B2253	Berry Spoon, sm., each	14.53	15.85
B2254	Berry Spoon, lge. each	16.66	18.50
B2255	Bon Bon Scoop, each	3.42	3.97
B2256	Bon Bon Spoon, each	3.43	3.97
B2257	Bouillon Spoons, lg., doz.	63.40	76.62
B2258	Bouillon Spoons, sm., doz.	43.58	56.90
B2259	Butter Knife, sm., each	6.24	7.67
B2260	Butter Knife, lg., each	9.25	10.57
B2261	Butter Picks, each	3.97	
B2262	Butter Spdrs., sm., doz.	52.83	
B2263	Cake Fork, each	10.57	11.88
B2264	Cake Knife, flat, saw back, ea.	26.42	30.38
B2265	Cake Knife, H. H., each	31.70	
B2266	Carving Fork only, each	7 27	
B2267	Carving Fork, large, each	15.85	
B2268	Carving Fork, large, each	15.85	
B2269	Carving Knife, each	7.28	
B2270	Carving Knife, chop, each	7.27	
B2271	Carving Knife, game, each	15.85	
B2272	Carving Knife, each	15 85	
B2273	Carving Knife, short, each	7 98	
B2274	Carving Set, 2 pcs., each	15.85	
B2275	Cheese Knife, each	6 60	7.40
B2277	Cheese Scoop, sm., each	8.45	
B2278	Cheese Scoop, H. H., each	13 32	
B2279	Cheese Server, each	6.60	
B2280	Cheese Server, H. H., each	8.28	
B2281	Child's Fork, each	5.28	
B2282	Child's Knife, each	5.95	
B2283	Child's Set, 2 pcs., H. H. knife set	13 22	
B2284	Chopped Meat Fork, each	5.27	6.08
B2285	Chopped Meat Knife, doz.	52.67	63.40
B2286	Coffee Spoons, sm., doz.	21 13	25 10
B2287	Coffee Spoons, lg., doz.	25.10	29.67
B2288	Cold Meat Fork, sm., each	9.25	10.57

Always State Whether Plain or Gilt. When Not Specified We Will Send Plain.

No.		Plain	Gilt
B2289	Cold Meat Fork, lg., each	14.53	15.85
B2290	Cream Ladle, small, each	3.97	4.75
B2291	Cream Ladle, large, each	7 93	9.25
B2293	Cucumber Server, each	7 93	8.98
B2294	Dessert Forks, lgt., doz.	57 17	
B2295	Dessert Forks, lge., doz.	69.34	
B2296	Dessert Knives, H. H., steel blades, doz.	71.34	
B2297	Dessert Knives, H. H., plated blades, doz.	79.25	
B2298	Dessert Spoons, lgt., doz.	57 17	
B2299	Dessert Spoons, med., doz.	69 34	
B2300	Fish Fork, sm., each	21.47	23.78
B2301	Fish Fork, md., sm., doz.	89 92	100.38
B2302	Fish Knife, sm., each	25.13	27.75
B2303	Fish Knife, H. H., doz.	95.10	
B2304	Fish Server, each	5 28	
B2305	Fruit Knives, doz.	95 10	
B2306	Gravy Ladle, small, each	8 72	10.50
B2307	Gravy Ladle, large, each	15 85	18.23
B2308	Ice Cream Forks, each	52 83	63.40
B2309	Ice Cream Server, flat, ea.	26 42	31.70
B2310	Ice Cream Server, H. H., ea.	16.85	
B2311	Ice Cream Spoons, doz.	52 83	63.40
B2312	Ice Spoon, each	15.85	17 97
B2313	Iced Tea Spoons, doz.	63.40	71.34
B2314	Ice Tongs, each	20 97	
B2315	Jelly Server, each	9 25	
B2316	Jelly Spoon, each	5 82	6.60
B2317	Lemon Fork, each	3.97	4.50
B2318	Lettuce Fork, each	7.40	8.45
B2319	Med. Forks, lgt., doz.	73.85	
B2320	Med Forks, med., doz.	85.73	
B2321	Med. Knives, H. H. steel blades, doz.	79.25	
B2322	Med. Knives, H. H., plated blades, doz.	87.18	
B2382	Mustard Spoon, each	4.50	5.02

No.		Plain	Gilt
B2326	Olive Fork, long, each	5.28	5.80
B2327	Olive Fork, short, each	3.95	4.48
B2328	Olive Spoon, long, each	5.28	5.80
B2329	Olive Spoon, short, each	3.95	4.48
B2330	Orange Knives, doz.	79.67	
B2331	Orange Spoons, doz.	52 72	60.62
B2331	Oyster Forks, sm., doz.	39.53	44.80
B2332	Oyster Forks, lge., doz.	52 72	60 62
B2333	Oyster Ladle, each	26 58	39 53
B2334	Oyster Server, each	31 63	34.27
B2335	Pastry Forks, doz.	81 70	92 25
B2336	Pickle Fork, each	3 97	4.48
B2337	Pie Knife, each	23.72	26.37
B2338	Pie Server, H. H., sm., ea.	9.23	10.53
B2339	Preserve Spoon, each	10.53	11.87
B2340	Salad Forks, doz.	63 25	68.38
B2341	Salad Forks, H. H., each	10 53	
B2342	Salad Fork, serving, each	18.45	20.28
B2343	Salad Fork, ind., sm., doz.	71 17	81 70
B2345	Salad Spoon, serving, each	18.45	20.28
B2346	Salt Spoon, ind., doz.	17 13	
B2348	Soup Ladle, small, each	47 45	51 92
B2349	Soup Ladle, large, each	63 25	68 33
B2350	Soup Spoons, ind. doz.	57 17	
B2351	Soup Spoons, med., doz.	69 34	
B2352	Sugar Sifter, each	9.23	
B2353	Sugar Spoon, each	4.75	
B2354	Sugar Tongs, each	9.23	
B2355	Table Spoons, lgt., doz.	73 55	
B2356	Table Spoons, med., doz.	85.73	
B2357	Tea Knives, H. H., doz.	69.80	
B2358	Tea Spoon, 5 o'clock, doz.	26 35	
B2359	Tea Spoons, small, doz.	24.60	
B2360	Tea Spoons, lgt., doz.	32.80	
B2361	Tea Spoons, med., doz.	40.77	
B2362	Tea Spoons, heavy, doz.	48 97	
B2363	Tomato Server, each	17 87	19.77

Oyster Fork, 3/7 size
Sugar Shell, 3/7 size
Olive Spoon, 3/7 size
Individual Salad Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Gravy Ladle, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Tea Knife, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Individual Butter Spreader, 3/7 size
Pickle Fork, 3/7 size
Orange Spoon, 3/7 size
Bon Bon, 3/7 size
Ice Cream Fork, 3/7 size
Soup Spoon, 3/7 size
Coffee Spoon, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Berry Spoon, 3/7 size
Tea Spoon, 3/7 size

Sterling Silver Flatware

925/1000 Fine

Violet Pattern—French Gray Finish

All Fancy Pieces Put Up in Lined Boxes

For Charts see Page 148

All Items Listed in Alphabetical Order.

No.		Plain	Gilt
B2364	Asparagus Srvs., H. H., ea.	$24.67	$37.34
B2365	Berry Forks, doz.	26.27	33.60
B2366	Berry Spoon, each	18.67	20.80
B2367	Bon Bon Scoop, each	5.34	5.88
B2368	Bouillon Spoons, doz.	45.34	56.00
B2369	Bread Knife, H. H., each	14.67	
B2370	Butter Knife, lg., each	6.53	9.87
B2371	Butter Knife, ind., each	7.20	8.53
B2372	Butter Picks, each	4.53	4.98
B2373	Butter Spreaders, doz.	50.67	58.67
B2374	Butter Sprs. sm., doz.	40.00	48.00
B2375	Cake Forks, each	10.67	12.00
B2376	Cake Knife, H. H., each	10.13	12.80
B2377	Cake Server, H. H., each	8.53	
B2378	Carving Knife and Fork set	14.67	
B2379	Carving Knife set	26.67	
B2380	Carving Set, large set	41.87	
B2381	Carving set, steak set	16.00	
B2382	Cheese Scoop, small, each	6.67	7.73
B2383	Cheese Scoop, large, each	12.00	13.34
B2384	Cheese Server, H. H., ea.	5.34	
B2385	Child's Fork, each	5.34	
B2386	Child's Knife, H. H., each	5.34	
B2387	Child's Spoon, each	2.53	2.98
B2388	Child's 3 pc. Set, set	14.40	
B2389	Cocktail Muddler, each	8.00	9.34
B2390	Chocolate Spoons, doz.	25.34	30.67
B2391	Coffee Spoons, lg., doz.	24.00	29.34
B2392	Coffee Spoons, sm., doz.	19.73	25.67
B2393	Cold Meat Fork, lg., each	12.80	14.13
B2394	Cold Meat Fork, sm., each	8.00	9.67
B2395	Cream Ladle, each	7.20	8.27
B2396	Dessert Forks, ind., doz.	59.17	
B2397	Dessert Forks, ex., doz.	67.22	
B2398	Dessert Forks, hvy., doz.	74.80	
B2399	Dessert Fork, ex. hy., doz.	82.83	
B2400	Dessert Knives, H. H., doz.	74.67	
B2401	Dessert Spoons, ind., doz.	69.17	
B2402	Dessert Spoons, ex., doz.	67.22	
B2403	Dessert Spoon, hvy., doz.	74.80	
B2404	Dessert Spoon, ex. hy., doz.	82.83	
B2405	Duck Shears, H. H., each	18.67	
B2406	Egg Spoons, doz.	36.67	44.00
B2407	Fish Forks and Knives, doz.	96.00	
B2408	Fish Knife, serving, each	21.34	24.00
B2409	Fish Knife, serving, each	21.34	25.34
B2410	Fruit Dasher, each	3.47	4.00
B2411	Fruit Knives, H. H., doz.	61.34	
B2412	Gravy Ladles, each	15.20	16.80
B2413	Ice Spoons, each	21.34	24.00
B2414	Ice Cream Forks, doz.	48.00	56.00
B2415	Ice Cream Server, each	21.34	24.00
B2416	Ice Cr. Slicer, H. H., each	12.80	16.80
B2417	Ice Cream Spoons, doz.	48.00	53.34
B2418	Iced Tea Spoons, doz.	70.40	78.40
B2419	Jelly Server, each	9.87	11.20
B2420	Jelly Spoon, each	9.34	10.67
B2421	Lemon Fork, each	8.53	9.60
B2422	Meat Forks, large, doz.	75.73	
B2423	Meat Forks, extra, doz.	85.20	
B2424	Meat Forks, heavy, doz.	92.78	
B2425	Meat Forks, ex. hy., doz.	99.40	
B2426	Meat Knives, H. H., doz.	112.20	
B2427	Mustard Spoons, each	2.93	3.47
B2428	Nut Picks, doz.	21.34	
B2429	Nut Picks, doz.	37.34	42.67
B2430	Olive Fork, large, each	7.20	8.00
B2431	Olive Fork, small, each	4.53	5.34
B2432	Olive Spoon, large, each	7.20	7.73
B2433	Olive Spoon, small, each	4.80	5.34
B2434	Orange Knives, H. H., doz.	64.00	
B2435	Orange Spoons, doz.	60.00	68.00
B2436	Oyster Forks, doz.	40.00	45.34
B2437	Oyster Ladle, each	38.67	41.34
B2438	Pickle Forks, each	6.67	7.73
B2439	Pie Knives, each	19.73	21.87
B2440	Pie Servers, H. H., each	10.13	12.80
B2441	Preserve Spoon, lg., each	11.73	13.60
B2442	Punch Ladle, H. H., each	56.00	
B2443	Salad Forks, ind., doz.	85.34	96.00
B2444	Salad Fks., ex., doz.	74.67	85.34
B2445	Salad Fork, H. H., olive wood, each	8.00	
B2446	Salad Fork, serving, each	17.07	19.20
B2447	Salad Spoon, each	17.34	19.47
B2448	Salad Spoon, H. H., olive wood, each	8.00	
B2449	Salt Spoons, doz.	24.00	29.34
B2450	Sardine Forks, doz.	12.80	
B2451	Sardine Forks, each	8.53	9.60
B2452	Soup Ladle, each	48.00	53.00
B2453	Soup Spoons, tea, doz.	63.90	
B2454	Soup Spoons, ex. hvy., doz.	85.20	
B2455	Sugar Shell, fancy	8.53	9.60
B2456	Sugar Spoons, each	5.34	6.13
B2457	Sugar Tongs, lg., each	7.20	8.53
B2458	Table Spoons, ex., doz.	75.73	
B2459	Table Spoons, ex., doz.	85.20	
B2460	Table Spoons, ex. hy., doz.	92.78	
B2461	Table Spoons, ex. hy., doz.	99.40	
B2462	Table Spoons, extra, doz.	112.20	
B2463	Tea Spoons, small, doz.	26.98	
B2464	Tea Spoons, trade, doz.	33.13	
B2465	Tea Spoons, extra, doz.	41.42	
B2466	Tea Spoons, heavy, doz.	49.70	
B2467	Tea Spoons, ex. hvy., doz.	58.22	
B2468	Tomato Server, each	13.34	14.67

All Items Listed in Alphabetical Order.

A query note whether Plain or Gilt was ordered

Where no specification is made Plain will be sent

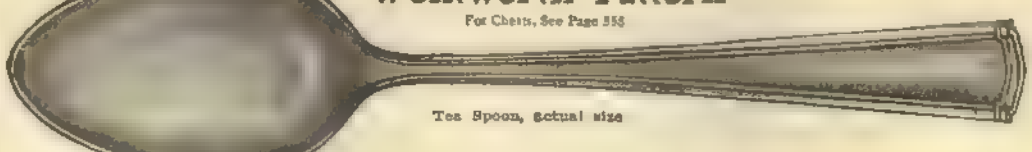
Sugar Shell, 3/7 size
Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Individual Salad Fork, 3/7 size
Bouillon Spoon, 3/7 size
Oyster Fork, 3/7 size
Orange Spoon, 3/7 size
Coffee Spoon, 3/7 size
Pickle Fork, 3/7 size
Olive Spoon, 3/7 size
Ice Cream Fork, 3/7 size
Iced Tea Spoon, 3/7 size
Tomato or Cucumber Server, 3/7 size
Gravy Ladle, 3/7 size
Soup Spoon, 3/7 size
Cold Meat Fork, 3/7 size
Berry Spoon, 3/7 size
McBath Fork, 3/7 size
Medium Knife, 3/7 size
Lettuce Fork, 3/7 size
Bon Bon, 3/7 size
Chipped Beef Fork, 3/7 size

Sterling Silver Flat-ware 925/1000 Fine

Always state whether plain or gift. When not specified we will send plain

Wentworth Pattern

For Chests, See Page 355



All Fancy Pieces Put Up in Lined Boxes

All items listed in alphabetical order

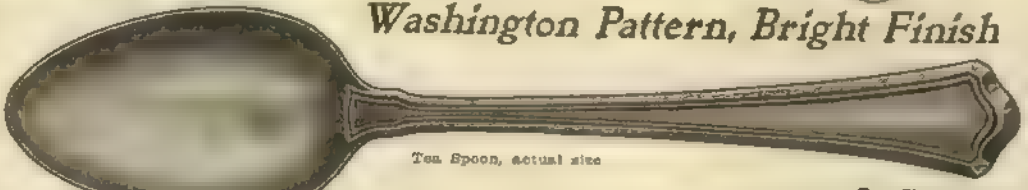
No.		Plain	Gilt
B508	Asparagus fork, ea.	$28.75	$33.05
B509	Berry forks, doz.	34.75	39.30
B510	Berry spoon, small, ea.	16.05	18.43
B511	Berry spoon, large, ea.	19.17	21.55
B512	Bon bon scoop, ea.	5.75	6.95
B514	Bouillon spoons, large, doz.	61.55	75.47
B515	Bouillon spoons, small, doz.	47.92	59.88
B516	Butter knife, small, ea.	7.17	
B517	Butter knife, large, ea.	10.50	
B518	Butter picks, ea.	4.30	
B519	Butter spds, small, doz.	47.92	
B520	Cake fork, ea.	9.58	11.25
B521	Cake knife, flat saw back, each	26.34	27.55
B522	Cake knife, H. H., ea.	28.75	
B523	Carving fork, chop, ea.	9.13	
B524	Carving fork, game, ea.	18.45	
B525	Carving fork, large, ea.	18.45	
B526	Carving fork, steak, ea.	9.87	
B527	Carving knife, chop, ea.	9.13	
B528	Carving knife, game, ea.	18.45	
B529	Carving knife, large, ea.	18.45	
B530	Carving knife, steak, ea.	9.87	
B531	Carving steel, large, ea.	18.45	
B532	Cheese fork, ea.	5.72	6.72
B533	Cheese scoop, small, ea.	6.87	
B535	Cheese scoop, H. H., ea.	11.97	
B536	Cheese server, ea.	6.00	6.32
B538	Child's fork, ea.	6.22	
B539	Child's knife, ea.	5.72	
B540	Child's set 2 pieces H. H. knife, set	16.05	
B542	Chocolate spoons, doz.	61.55	75.47
B543	Coffee spoons, small, doz.	19.17	23.34
B544	Coffee spoons, large, doz.	26.34	28.75
B545	Cold meat fork, small, ea.	10.55	11.97
B546	Cold meat fork, large, ea.	16.05	17.25
B547	Cream ladle, small, ea.	5.50	6.32
B548	Cream ladle, large, ea.	8.87	10.55
B550	Cucumber server, small, ea.	8.87	10.30
B551	Dessert forks, light, doz.	54.72	
B552	Dessert forks, med., doz.	63.38	
B553	Dessert knives, H. H. steel blades, doz.	66.02	
B554	Dessert knives, H. H. plated blades, doz.	69.85	
B555	Dessert spoons, light, doz.	51.10	
B556	Dessert spoons, med., doz.	55.75	
B557	Fish fork, small, ea.	21.55	23.97
B558	Fish fork, ind., small, doz.	71.88	81.47
B559	Fish knife, small, ea.	25.88	
B560	Fish knives, ind., H. H., doz.	86.25	
B561	Food pusher, small, ea.	3.83	
B562	Fruit knives, doz.	86.25	
B564	Gravy ladle, large, ea.	16.05	18.45
B565	Ice cream forks, doz.	63.25	71.88
B566	Ice cream slicer, flat, ea.	27.55	
B567	Ice cream slicer, H. H., ea.	14.38	
B568	Ice cream spoons, doz.	63.25	71.88
B569	Ice spoon, ea.	16.05	
B570	Iced tea spoons, doz.	71.88	
B571	Ice tongs, ea.	19.17	
B572	Jelly server, ea.	5.50	6.47
B573	Jelly spoon, ea.	7.17	8.85
B574	Lemon fork, ea.	8.10	
B575	Lettuce fork, ea.	9.58	11.26
B576	Medium forks, light, doz.	76.67	
B577	Medium forks, med., doz.	85.17	
B578	Medium knives, H. H. steel blade, doz.	73.62	
B579	Medium knives, H. H. plated blade, doz.	79.25	
B582	Olive fork, long, ea.	7.17	7.90
B583	Olive fork, short, ea.	3.83	4.30
B584	Olive spoon, large, ea.	7.17	7.67
B585	Olive spoon, slot, ea.	4.80	5.50
B586	Orange knives, doz.	71.88	
B587	Orange spoons, small, doz.	63.25	71.88
B588	Oyster forks, small, doz.	38.18	44.72
B589	Oyster forks, large, doz.	52.72	59.88
B590	Oyster ladle, ea.	32.34	35.92
B592	Pickle forks, doz.	75.22	83.62
B593	Pickle fork, ea.	6.22	7.18
B594	Pie knife, small, ea.	19.17	21.55
B595	Pie server, H. H., medium, each	8.87	
B596	Preserve spoon, ea.	11.47	13.42
B597	Punch ladle, ea.	57.50	62.30
B598	Roast holder, H. H., ea.	10.55	
B599	Salad fork, serving, ea.	17.97	19.83
B600	Salad fork, ind., small, doz.	84.83	76.17
B601	Salad fork, ind., large, doz.	71.88	79.05
B602	Salad spoon, serving, ea.	17.97	19.72
B603	Salt spoon, ind., doz.		15.55
B605	Soup ladle, small, ea.	44.55	47.92
B606	Soup ladle, large, ea.	62.30	67.09
B607	Soup spoons, light, doz.	65.83	
B610	Sugar spoon, ea.	5.50	6.22
B611	Sugar tongs, ea.	11.25	
B612	Table spoons, light, doz.	76.67	
B613	Table spoons, medium, doz.	85.17	
B615	Tea spoons, [illegible] doz.	28.75	
B616	Tea spoons, small, doz.	25.55	
B617	Tea spoons, light, doz.	29.30	
B618	Tea spoons, medium, doz.	36.62	
B619	Tea spoons, heavy, doz.	44.74	
B620	Tomato server, ea.	16.05	18.45

Sugar Tongs, 3/7 size
Butter Knife, 3/7 size
Butter Spreader, 3/7 size
Olive Spoon, 3/7 size
Gravy Ladle, 3/7 size
Iced Tea Spoon, 3/7 size
Pickle Fork, 3/7 size
Soup Spoon, 3/7 size
Bon Bon, 3/7 size
Coffee Spoon, 3/7 size
Orange Spoon, 3/7 size
Oyster Fork, 3/7 size
Individual Salad Fork, 3/7 size
Sugar Shell, 3/7 size
Medium Fork, 3/7 size
Medium Knife, 3/7 size
Cold Meat Fork, 3/7 size
Hollow Handle Cheese Server, 3/7 size
Pickle or Cucumber Server, 3/7 size
Lettuce Fork, 3/7 size
Berry Spoon, 3/7 size
Ice Cream Fork, 3/7 size

Sterling Silver Flat-ware

925/1000 Fine

Washington Pattern, Bright Finish



All Fancy Pieces Put Up in Lined Boxes

Always state whether plain or gilt, where not specified we will send plain

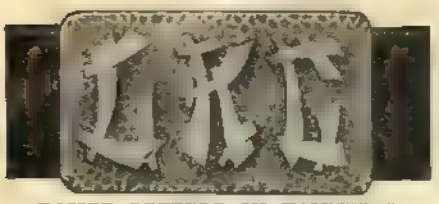
For Chests see page 358

All Items Listed in Alphabetical Order.

No.		Plain	Gilt
B621	Asparagus Forks, each	$28.53	$31.20
B622	Asparagus Server, H. H., each	34.67	37.37
B623	Berry Forks, doz.	37.37	42.67
B624	Berry Spoon, each	21.37	23.47
B625	Bon Bon Scoop, each	6.40	6.93
B626	Bouillon Spoons, doz.	60.27	70.93
B627	Bread Knife, H. H., each	16.00	
B628	Butter Knife, lg., each	10.67	12.00
B629	Butter Knife, med., each	8.53	9.87
B630	Butter Pick, each	4.80	
B631	Butter Spreaders, doz	64.00	72.00
B632	Butter Spdrs., sm., doz.	50.67	
B633	Butter Spdrs., H. H., doz	64.00	
B634	Cake Knife, H. H., each	9.87	12.53
B635	Cake Server, H. H., each	9.87	12.53
B636	Carving Set, duck, set	26.67	
B637	Carving Set, game, set	37.37	
B638	Carving Set, large, set	56.00	
B639	Carving Set, steak, set	18.67	
B640	Cheese Scoop, H. H., each	9.07	
B641	Cheese Server, each	6.67	8.00
B642	Cake Server, H. H., each	5.87	
B643	Child's Fork, each	6.13	
B644	Child's Knife, H. H., each	5.87	
B645	Child's Spoon, each	2.88	
B646	Child's Set, 2 pcs. set	16.00	
B647	Cracker or Muffin Server, each	8.53	9.87
B648	Dessert Knives, doz.	37.34	42.67
B649	Coffee Spoons, doz.	29.34	34.67
B650	Cold Meat Fork, lg., each	16.00	17.34
B651	Cold Meat Fork, sm., ea	10.67	11.73
B652	Cream Ladle, each	8.53	9.60
B653	Cucumber Server, each	8.00	
B654	Dessert Forks, ex., doz.	53.88	
B655	Dessert Forks, hvy., doz.	74.80	
B656	Dessert Fork, mass., doz.	90.88	
B657	Dessert Knives, H. H., doz.	85.34	
B658	Dessert Spoons, ex., doz.	63.88	
B659	Dessert Spoon, hvy., doz.	74.80	
B660	Dessert Spoons, mass., doz.	90.88	
B661	Duck Shears, H. H., each	21.34	
B662	Egg Spoons, doz.	38.67	44.00
B663	Fish Forks, ind., doz	128.00	141.34
B664	Fish Fork, serving, each	20.00	22.67
B665	Fish Knives, ind., doz.	138.67	152.00
B666	Fish Knife, serving, each	21.34	25.34
B667	Food Pusher, each	4.00	4.53
B668	Fruit Knives, H. H., doz.	64.00	
B669	Gravy Ladle, each	17.34	18.93
B670	Ice Spoon, each	24.00	26.67
B671	Ice Cream Forks, doz.	57.60	65.60
B673	Ice Cr. Slicer, H. H., each	14.13	18.13
B674	Ice Cream Spoons, doz.	57.60	62.93
B675	Iced Tea Spoons, doz.	77.34	85.34
B676	Jelly Knife, each	8.53	9.87
B677	Jelly Knife, sm., each	4.80	
B678	Jelly Spoon, each	12.53	13.87
B679	Lemon Fork, each	5.34	6.67
B680	Lettuce Fork, each	9.87	10.93
B681	Mayonnaise Ladle, each	5.87	6.67
B682	Med. Forks, extra, doz	85.20	
B683	Med Forks, heavy, doz.	92.78	
B684	Med. Forks, mass., doz.	112.20	
B685	Med. Knives, H. H., doz.	93.00	
B686	Mustard Spoon, each	3.47	3.80
B687	Nut Cracker, each	21.34	
B689	Olive Fork, long, each	7.20	8.00
B690	Olive Fork, short, each	5.34	6.13
B691	Olive Spoon, long, each	6.13	
B692	Olive Spoon, small, each	4.80	
B693	Orange Knives, H. H., doz.	68.34	
B694	Orange Spoons, doz.	64.00	
B695	Oyster Forks, doz.	45.87	51.20
B696	Oyster Ladle, each	42.67	45.34
B697	Pastry Forks, doz	72.00	
B698	Pickle Fork, each	8.00	9.07
B699	Pie Knife, each	22.93	
B700	Pie Server, H. H., each	11.47	14.13
B701	Preserve Spoon, lg., each	14.17	16.53
B702	Punch Ladle, H. H., each	58.00	
B703	Salad Forks, ind., doz.	85.34	96.00
B704	Salad Forks, serve., ea.	19.73	21.87
B705	Salad Fork, serving, olive-wood, each	8.53	
B706	Salad Spoon, serv., ea.	19.72	21.87
B707	Salad Spoon, serving, olive-wood, each	8.53	
B708	Salt Spoons, doz.	24.00	29.34
B709	Salt Spoons, small, doz.	13.34	
B710	Sardine Fork, each	8.00	9.34
B711	Smoked Beef Fork, each	6.93	
B712	Soup Ladle, each	60.00	64.00
B713	Soup Spoons, heavy, doz.	76.67	
B714	Sugar Sifter, each	9.87	
B715	Sugar Spoon, each	6.67	*7.47
B716	Table Spoons, hvy., doz.	92.78	
B717	Table Spoons, ex. hvy., doz.	99.40	
B718	Table Spoon, mass, doz.	103.12	
B719	Tea Knives, H. H., doz.	70.40	
B720	Tea, 5 o'clock, doz.	30.77	
B721	Tea Spoons, trade, doz.	33.62	
B722	Tea Spoons, extra, doz.	41.42	
B723	Tea Spoons, heavy, doz.	49.70	
B724	Tea Spoons, ex. hvy., doz.	58.22	
B725	Tomato Server, each	17.34	18.67

Solid Gold, Gold Filled and Silver Belt Buckles

Made to order in our own workshop. First class workmanship guaranteed.
Prices quoted are for buckles only
For line of leather belts see page 238. Prices Each.



RAISED LETTERS ON HAMMERED BACKGROUND

No. 5658	14k solid gold	$55.00
No. 5659	10k solid gold	41.70
No. 5660	12k gold front	10.85
No. 5661	12k gold front, raised silver letters	10.85
No. 5662	Sterling silver	11.70

Above prices are for buckles only.

RAISED MONOGRAM ON HAMMERED BACKGROUND

No. 5663	14k solid gold	$55.00
No. 5664	10k solid gold	41.70
No. 5665	12k gold front	10.85
No. 5666	12k gold front, raised silver letters	10.85
No. 5667	Sterling silver	11.70

Above prices are for buckles only.

RAISED LETTERS ON HAMMERED BACKGROUND

No. 5668	14k solid gold	$55.00
No. 5669	10k solid gold	41.70
No. 5670	12k gold front	10.85
No. 5671	12k gold front, raised silver letters	10.85
No. 5672	Sterling silver	11.70

Above prices are for buckles only.

HAMMERED BORDER, SAWED OUT LETTERS

No. 5673	14k solid gold	$37.85
No. 5674	10k solid gold	28.35
No. 5675	12k gold front	10.00
No. 5676	Sterling silver	10.45

Above prices are for buckles only.

RAISED LETTERS ON HAMMERED BACKGROUND

No. 5677	14k solid gold	$55.00
No. 5678	10k solid gold	41.70
No. 5679	12k gold front	10.85
No. 5680	Sterling silver	11.70

Above prices are for buckles only.

HAMMERED BORDER, SAWED OUT MONOGRAM

No. 5681	14k solid gold	$39.20
No. 5682	10k solid gold	30.85
No. 5683	12k gold front	10.45
No. 5684	Sterling silver	10.85

Above prices are for buckles only.

SAWED OUT LETTERS AND BORDER

No. 5685	14k solid gold	$37.85
No. 5686	10k solid gold	28.35
No. 5687	12k gold front	10.00
No. 5688	Sterling silver	10.85

Above prices are for buckles only.

SAWED OUT LETTERS

No. 5689	10k solid gold	$36.70
No. 5690	12k gold front	12.00
No. 5691	Sterling silver	12.50

Above prices are for buckles only.

SAWED OUT JAPANESE LETTERS

No. 5692	14k solid gold	$37.85
No. 5693	10k solid gold	28.35
No. 5694	12k gold front	10.00
No. 5695	Sterling silver	10.85

Above prices are for buckles only.

SAWED OUT LETTERS

No. 5696	14k solid gold	$39.20
No. 5697	10k solid gold	30.85
No. 5698	12k gold front	10.45
No. 5699	Sterling silver	10.85

Above prices are for buckles only.

SAWED OUT RIBBON MONOGRAM

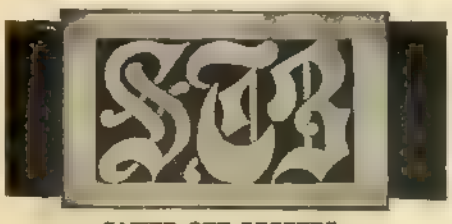
No. 5700	14k solid gold	$37.85
No. 5701	10k solid gold	28.35
No. 5702	12k gold front	10.00
No. 5703	Sterling silver	10.85

Above prices are for buckles only.

SAWED OUT LETTERS

No. 5704	14k solid gold	$39.20
No. 5705	10k solid gold	30.85
No. 5706	12k gold front	10.45
No. 5707	Sterling silver	10.85

Above prices are for buckles only.



SAWED OUT LETTERS

No. 5708	14k solid gold	$39.20
No. 5709	10k solid gold	30.85
No. 5710	12k gold front	10.45
No. 5711	Sterling silver	10.85

Above prices are for buckles only.

HAND ENGRAVED, SAWED OUT LETTERS

No. 5712	10k solid gold	$30.00
No. 5713	Sterling silver	10.00

Above prices are for buckles only.

No. 5714	14k solid gold	$37.85
No. 5715	10k solid gold	28.35
No. 5716	12k gold front	10.00
No. 5717	Sterling silver	10.85

Above prices are for buckles only.

For line of belts without buckles, see page 238.

STEVENS TARGET PISTOLS

OFF-HAND TARGET MODEL

.22 caliber.

No.	Barrel	Wt. each	Each
35	6 in.	1⅜ lbs	$7.00
	8 in.	1½ lbs	8.00
	10 in.	1⅝ lbs	9.00

TIP-UP MODEL

.22 short rim fire.

Frame nickel-plated. Plain walnut grip. Open sights.

No.	Barrel	Wt. each	Each
41	3⅛ in.	½ lb	$3.00

NEW MODEL POCKET OR BICYCLE

.22 long rifle, .22 Stevens and .32 long.

Round barrel, detachable skeleton stock. Stock has frame nickel-plated. Globe and folding peep sight.

No.	Barrel	Wt. each	Each
40	10 in.	2 lbs.	$11.00
	12 in.	2⅛ lbs.	12.00
	15 in.	2¼ lbs.	12.50
	18 in.	2½ lbs.	13.00

.22 caliber only in stock, others factory shipment.

RELIABLE POCKET MODEL

.22 long rifle.

Nickel-plated, detachable skeleton stock; nickel-plated frame. Globe and peep sights.

No.	Barrel	Wt. each	Each
42	10 in.	1 lb.	$8.25

DIAMOND MODEL

Nickel-plated frame. Walnut stock.

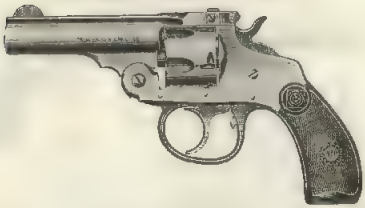
.22 long rifle.

No.	Length barrel	Sights	Wt. each	Each
43-1	6 in.	Globe front and peep	10 oz	$5.00
43-2	6 in.	Open	10 oz.	5.00
43-4	10 in.	Globe front and peep	20 oz	6.00
43-5	10 in.	Open	20 oz	6.00

REVOLVERS

HARRINGTON & RICHARDSON

DOUBLE ACTION, HAMMER

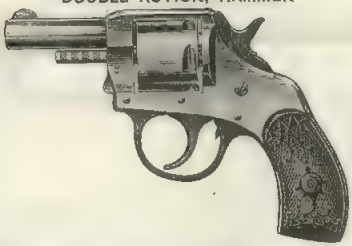


No.	Caliber	Lgth. barrel	Finish	Each
HR322N	.32	2 in.	Nickel	$7.00
HR322B	.32	2 in.	Blued	7.50
HR323N	.32	3 in.	Nickel	7.00
HR323B	.32	3 in	Blued	7.50
HR383¼N	.38	3¼ in.	Nickel	7.00
HR383¼B	.38	3¼ in.	Blued	7.50

DOUBLE ACTION, HAMMERLESS

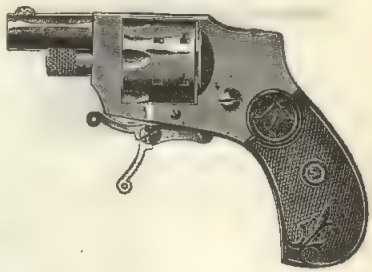
No.	Caliber	Lgth. barrel	Finish	Each
HRH322N	.32	2 in.	Nickel	$7.50
HRH322B	.32	2 in.	Blued	8.00
HRH323N	.32	3 in.	Nickel	7.50
HRH323B	.32	3 in.	Blued	8.00
HRH383¼N	.38	3¼ in.	Nickel	7.50
HRH383¼B	.38	3¼ in.	Blued	8.00

"VICTOR" DOUBLE ACTION, HAMMER



No.	Caliber	Lgth. barrel	Finish	Each
VDA222N	22	2 in.	Nickel	$3.25
VDA222B	.22	2 in.	Blued	3.75
VDA322N	.32	2 in.	Nickel	3.25
VDA322B	.32	2 in.	Blued	3.75
VDA382½N	.38	2½ in.	Nickel	3.25
VDA382½B	.38	2½ in.	Blued	3.75

BABY HAMMERLESS NEW MODEL 1910



No.	Caliber	Finish	Each
BH22N	.22	Nickel	$4.00
BH22B	.22	Blued	4.50

DERRINGERS

REMINGTON

No.	Length	Caliber	Finish	Each
RD41B	3 in.	.41	Blued	$8.35

LIQUID PISTOLS

DAISY

Designed after an automatic pistol. Made from steel, blued finish. Simple to load and discharge. No rubber bulb to get out of order. Fitted with cup leathers and works on the same principle as a pump. Length 5½ inches.

No.	Wt. each	Per doz.
8 Daisy Liquid Pistols	5½ ozs.	$3.00

ET THROUGH
MUD UP TO THE HUB

A car equipped with a New Stromberg Carburetor generates power EQUAL to the occasion. The increased pull necessary to ram through hard, heavy going comes into play instantly on demand—a forge ahead force that is mightier than the drag of the mud.

THE NEW STROMBERG CARBURETOR

excels on all models of every make in creating power to answer every purpose—in mileage increase, fuel economy, acceleration and starting ease in coldest weather.

Special New Stromberg for Fords

establishes official starting, speed and economy record—37 4/10 miles on one gallon of gasoline—from standing start to 25 miles per hour in 11.4 seconds—then without touching carburetor, car made 43 miles per hour. These teats made under ordinary conditions demonstrate Stromberg superiority and value to every Ford owner.

Write for world's records and free particulars —giving name, model and year of your car

Stromberg Motor Devices Co.
Department 421, 64 E. 25th St.
CHICAGO

New STROMBERG Does it!
CARBURETOR

G.W. HUNTLEY © CHICAGO

Fine Swiss Split and Sweep Second Timers and Chronographs

1863 1917

Illustrations Show the Exact Size Prices Each

All Prices on Swiss Watches are Subject to Change Without Notice

G. L. GUINAND'S SPLIT FIFTH-SECOND HORSE TIMERS, 30-MINUTE REGISTER

High grade, nickel jeweled lever movement, running of movement does not stop in operating hands. Thoroughly reliable, best on the market.

No. 1537 Nickel bassine case . . . $ 65.74
No. 1538 Gun metal case . . . 67.98
No. 1539 Gold filled, 25 years warranted bassine case . . . 109.26

Guinand split timers furnished with high-grade 15 jewel movement.

Nickel or gun metal case $6.48 additional.

JEROME PARK CHRONOGRAPHS WITH 30-MINUTE REGISTER, NEW THIN MODEL

Beats 1-5 second, start, stop and fly back fine nickel lever movements.

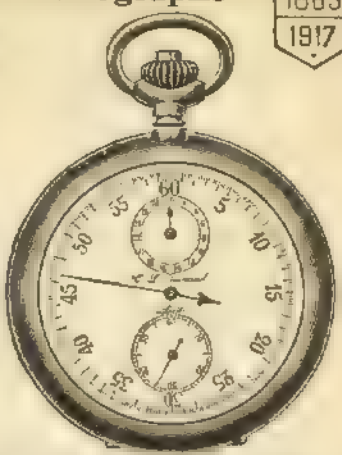
No. 1540 Nickel case, 15 jewels . . . $45.93
No. 1541 Gun metal case, 15 jewels . . . 48.15

Chronographs as above with 7 jewels, less . . . 5.67

NATIONAL PARK CHRONOGRAPHS 30-MINUTE REGISTER

Gold filled case, antique bow, 25-year guarantee, plain or engine turned, fine nickel lever movement

No. 1543 15 jewels . . . $98.33



GUINAND HIGH GRADE TIMER

Extra quality, nickel, jeweled lever movement, fifth-second, 30 minute register.

No. 1544 Nickel case, 7 jewels . . . $35.00
No. 1545 Nickel case, 15 jewels . . . 41.48

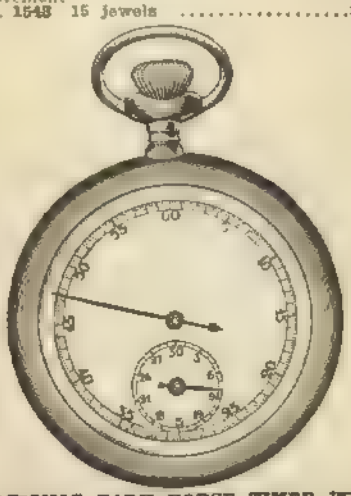
JOCKEY CLUB HIGH GRADE TIMER

No. 1546 Nickel case, 7 jewels . . . $35.00

NATIONAL PARK HORSE TIMERS WITH 30-MINUTE REGISTER AND FIFTH-SECOND JEWELED LEVER MOVEMENT

The model. Best on the market

No. 1547 Wood nickel case . . . $18.15
No. 1548 With gun metal case . . . 19.26
No. 1549 Jockey Club, nickel case . . . 18.52



NATIONAL PARK HORSE TIMER WITH 30-MINUTE REGISTER, FIFTH-SECOND

Jeweled cylinder movement, reliable in action. Start, stop and fly back from crown

No. 1550 National park nickel case . . $16.48
No. 1551 Trotter, gun metal case . . . 17.59

"THE RACER"

Jeweled cylinder movement, 30 minute register, fifth-second, start, stop and fly back from crown

No. 1553 Solid nickel case . . . $15.74

TIMER FOR ALL SPORTS

Quick and reliable timer for trotting events, hockey, etc. Nickel jeweled lever movement, 1-5 second, 30-minute register, starts, stops and starts watch instantly, or back or will fly back when desired.

No. 1554 Nickel case . . . $24.07

DECIMAL TIMER

Specially adapted for observation where the minutest fraction of a second is required. Fifth-second 30 minute register, start, stop and fly back from crown, and push for stopping and starting again, nickel jeweled lever movement.

No. 1555 Nickel case . . . $24.07

STANDARD EXCELSIOR CHRONOGRAPHS, FIFTH-SECOND START, STOP AND FLY-BACK FROM CROWN (American made.)

15 size open face, 7 jewel, nickel movement, interchangeable with bearing in metal settings, fully guaranteed, cases made in screw back and bezel.

No. 1556 Nickel case plain . . . $19.07
No. 1557 Gold filled case warranted 20 years, engraved in subject of sport, jockey, horse and track . . . 32.04
No. 1558 Gold filled case, warranted 20 years, engine turned or plain . . . 32.04

15 jewel movements with compensation balance, and either of above cases furnished for $2.00 additional.

Continental Watch Company Movements and Complete Watches

Continental Movements are Made by Expert Swiss Watchmakers with American Machinery

16-SIZE, 21 JEWELS, ADJUSTED, 5 POSITIONS

Nickel, four gold jewel settings, fine ruby jewels, superior adjustment, concave winding wheels, patent regulator, Breguet hairspring, steel escape wheel, exposed genuine ruby pallets, very finely finished and timed.

No. 147 Hunting, only.....$45.00

COMPLETE WATCHES GOLD FILLED, GUARANTEED 20 YEARS

16-size, hand engraved in assorted designs. This case is made and **guaranteed by The Dueber Watch Case Co.**

Complete with following movements: Hunting style case.

No. 1522 Continental, No. 146, 21 jewels, adjusted to 5 positions.....$55.83

No. 1523 Continental, No. 116, 17 jewels, adjusted 34.17

16-SIZE, 17 JEWELS, ADJUSTED

Nickel, concave winding wheels, four jewels in settings, patent regulator, steel escape wheel, exposed sapphire pallets, Breguet hairspring, finely finished and timed.

No 146 Hunting only.....$21.34

12-SIZE, 21 JEWELS, ADJUSTED, 5 POSITIONS

Nickel, four gold jewel settings fine ruby jewels, superior adjustment, concave winding wheels, patent regulator, Breguet hairspring, steel escape wheel exposed genuine ruby pallets, very finely finished and timed.

No. 139 Hunting only.....$46.67

COMPLETE WATCHES, GOLD FILLED GUARANTEED 20 YEARS

12-size, hand engraved, assorted designs. This case is made and guaranteed by **The Keystone Watch Case Company.**

Complete with following movements. Hunting style case.

No. 1524 Hunting, nickel, 15 jewels, No. 143 Continental.....$26.25

No. 1525 Hunting, nickel, 21 jewels, adjusted, No. 139 Continental.....37.00

CONTINENTAL WATCH CO., 12-SIZE, 15-JEWEL

Nickel, flat winding wheels, Breguet hairspring, exposed pallets, steel escape wheel, well finished.

No. 142 Hunting movement only.....$14.00

Miscellaneous Ladies' Complete Swiss Watches

NURSES' WATCH

Jewel size, open face, plain case, reliable Swiss 7-jewel movement, lever escapement, stem wind, pendant set, white dial, with large sweep second hand.

No. 1526 Gun metal case, complete .. $24.47

No. 1527 Sterling silver polished case complete ... 27.98

No 1528 20 year gold filled polished case complete ... [illegible]

No. 1529 14k solid gold polished case, complete 56.33

GUN METAL

Open face, 10 ligne gun metal case, with cap, full jewled cylinder movement, gilt hands, pendant set, chatelaine pin to match.

No. 1530 Each.....$9.12

Watch only, without chatelaine pin

No. 1531 Fancy dial.$7.90

EXTRA THIN, GOLD FILLED

0-size, plain polish, guaranteed 10 years, very flat.

7-Jewel Locust Lever Escapement

No. 1532 With gold or silver metal dial $18.68

0-SIZE, VERY FLAT

Open face, jointed case, very thin model, nickel lever movement, white dial.

7-Jewel Locust

No. 1533 In nickel case $13.77

No. 1534 In gun metal case 13.77

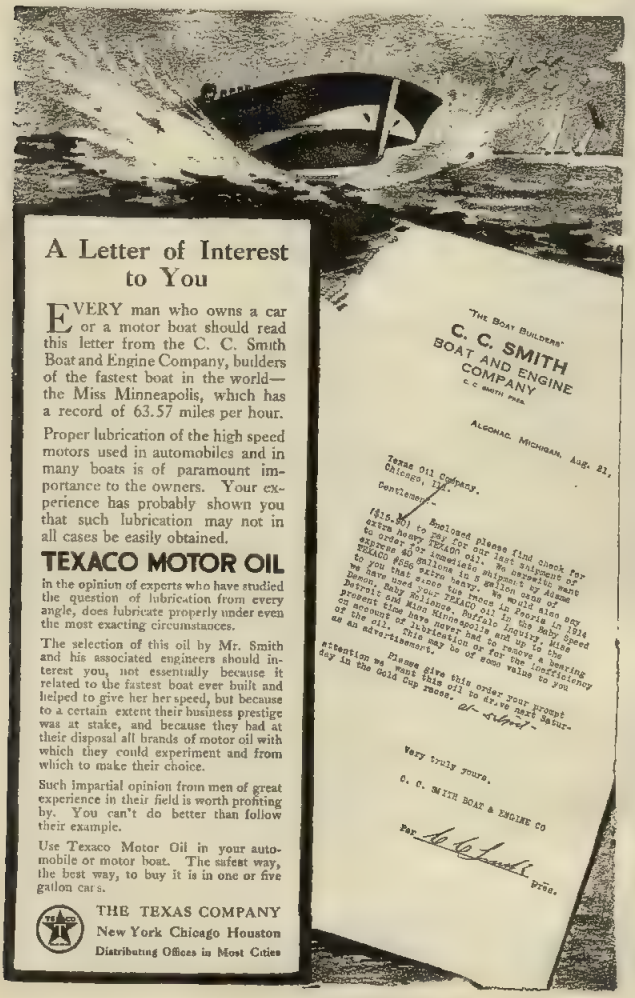
STERLING SILVER

Swiss cylinder jeweled movement, with tinted enameled dial and gilt hands, with chatelaine pin to match.

Open face.

No. 1535 .Plain case $11.68

No. 1536 Eng. case. 11.68



A Letter of Interest to You

EVERY man who owns a car or a motor boat should read this letter from the C. C. Smith Boat and Engine Company, builders of the fastest boat in the world—the Miss Minneapolis, which has a record of 63.57 miles per hour.

Proper lubrication of the high speed motors used in automobiles and in many boats is of paramount importance to the owners. Your experience has probably shown you that such lubrication may not in all cases be easily obtained.

TEXACO MOTOR OIL

in the opinion of experts who have studied the question of lubrication from every angle, does lubricate properly under even the most exacting circumstances.

The selection of this oil by Mr. Smith and his associated engineers should interest you, not essentially because it related to the fastest boat ever built and helped to give her her speed, but because to a certain extent their business prestige was at stake, and because they had at their disposal all brands of motor oil with which they could experiment and from which to make their choice.

Such impartial opinion from men of great experience in their field is worth profiting by. You can't do better than follow their example.

Use Texaco Motor Oil in your automobile or motor boat. The safest way, the best way, to buy it is in one or five gallon cans.

THE TEXAS COMPANY
New York Chicago Houston
Distributing Offices in Most Cities

"The Boat Builders"
C. C. SMITH
BOAT AND ENGINE
COMPANY
C. C. SMITH, PRES.

ALGONAC, MICHIGAN, Aug. 21,

Texas Oil Company,
Chicago, Ill.

Gentlemen:-

Enclosed please find check for $815.00 to pay for one last shipment of extra heavy TEXACO oil. Am sending order for same by express today.

To order 4000 gallons in 5 gallon cans and 4000 gallons in 5 gallon cans of TEXACO 6666 seems a big order, but we have that amount used in a season. Our Baby Speed Demon does about 1000 miles per hour, using your extra heavy. We would also use your extra heavy in the race we would enter at Detroit early in July. Am enquiring of Detroit and Minneapolis Buffalo Oil Co. Baby Speed Demon also have never used TEXACO oil in Peoria in 1914 or the present time have never used or for the reason of the inefficiency of the oil. This was by no means due to any fault of lubrication or for the reason of account of the oil, but because of some value to you as an advertisement.

Please give this order your prompt attention we want this oil to drive next January 1st in the Gold Cup races.

Very truly yours,

C. C. SMITH BOAT & ENGINE CO

Per

Pres.

BLUE RIBBON SALE

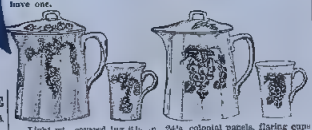
SEMI-PORCELAIN 7 PC. SALAD OR BERRY SET

A good combination set that presents a good appearance. Will sell easily.

E179—Bowl, 9½, saucer 5, semi-porcelain, deep fancy shape, H green allover luster, fruit cluster centers. 1 set in pkg Set **58c**

SEMI-PORCELAIN 7 PC. LEMONADE OR CHOCOLATE SETS

Set comprises covered jug and six tall cups. Every family should have one.



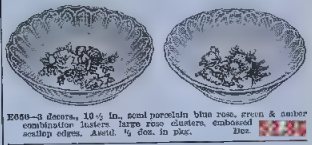
Light wt., covered jug 6½ qt., 24/8, colonial panels, flaring cups 2¾x3½, first quality trademarked semi-porcelain, gold edges and stripe handles. 1 set in pkg

E4095—Pink roses & buds.....Set, **$1.40**

E4096—Blue grape clusters.. .. .. " **1.50**

10½ IN. SEMI-PORCELAIN SALAD BOWL

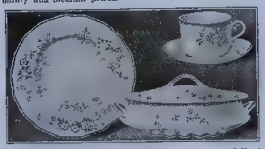
Fancy decorations that make this an attractive counter or window article. Sure to be a good seller.



E650—3 floors., 10½ in., semi porcelain blue rose, green & amber combination luster, large rose clusters, embossed scallop edges. Asstd. ½ doz. in pkg. Doz. **$2.35**

"KILLARNEY ROSE" SEMI-PORCELAIN DINNER SETS

A decoration known and approved by many housewives. Attractive, dainty and medium priced.



American light wt. semi porcelain, best selection, full shapes, embossed, Killarney rose sprays, gold edges and stripe handles.

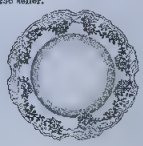
For composition see table on regular pages.

E725—42A pc. set. 1 set in carton about 42 lbs....Set, **$2.85**

E2093—100A pc. set. 1 set in bbl., about 90 lbs " **5.25**

IMPORTED CHINA FANCY PLATE

Attractive imported china is scarce. A good 25c seller.



R9507—8½ in., embossed cut-out edges, pink rose and green foliage sprays in border effect. ½ doz. in pkg Doz. **$1.65**

IMPORTED CHINA TEA CUP & SAUCER

Exceptionally fine quality china. Famous Donatello shape.

R9428—3x2, saucer 5¾, fancy low shape translucent white china, hand painted effect, tea roses and green sprays, stippled gold edges and gold handles, trademarked Thomas. ½ doz. in pkg. Doz. **$2.75**

SEMI-PORCELAIN TOILET SETS

A carefully selected number offered to you at a lower price than you usually pay for similar style and quality. Compare values

Gold decorated regular composition, full size pcs., basin with rolled rim, semi-porcelain body, fancy shape, basin lily embossed edges, handles, knobs etc., gold decorated.

For composition see regular pages.

E714—10 pc., 2 sets in bbl., 75 lbs. (Total $6.50) Set, **$3.25**

E715—12 pc., 1 set in bbl., 85 lbs. " **5.25**

JAP AIDZU TEAPOT

Brighten your stock with this special. It will attract lots of attention.

L4834—Hx. 4¾, holds 3 cups, green and white enamel studded shamrocks body, blue and white border inside drainer Doz. **$2.10** ½ doz. in pkg

NEWLY DECORATED SEMI-PORCELAIN SALAD

A new decoration that is proving a good seller is here priced for a good margin of profit.

E625—Act. 9 in., pink and white, rose and green leaf center, gold stamped medallion, fancy border 1 doz. in pkg. Doz. **$1.32**

HAVILAND 100A PC. DINNER SET

Théodore Haviland

Limoges FRANCE.

This famous Imported French china offered to you at a price that you could not possibly equal elsewhere.

R1803—100A pc. set. Excellent quality pure white lt. wt. china, highly glazed, dainty conventional design in light blue with small pink rose, gray leaf border, fancy center band on inside of all hollow pcs, half coin gold edges, coin gold line wt. base of upright pcs. and in center of saucers. 1 set in cask. *For composition see table on regular dinnerware pages.* SET (100 pcs.), **$54.75**

"PRINCESS" SEMI-PORCELAIN ASSORTMENT

An assortment of single articles priced at a figure that means sure profit for you

E960—12 doz. asst. light wt. fancy shapes, semi-porcelain scallop and gold line edge, delicate pink rose cluster sprays, light green foliage and scroll design. Asst. comprises:

1 doz. tons. cups 3½x2⅝, saucers 5½
1 " fancy cups and saucers, 3½x2⅝, cups saucers 5½
2 doz. plain, 7 in. act. 8¼
1 " breakfast plates, 9 in. act. 8¼
1 " coupe soup plates, act. 9½
1 " salads, 9 in., act. 9½
12 doz. in pkg., 178 lbs. (Total for asst. $12.96)

1 doz. oriental salads, 7 in. act. 8½
1 " grape fruit bowls, 6 in. act. 6¾
1 " large 1 qts. 5¾, act. 5 lbs.
½ " fancy salads, 9½ in., act. 9¼
½ " meat, dinner or platters, 10 in., act. 11 lbs.
1 " nappies or salads, 8¼ in., act. 7¾

Doz. **$1.08**

"MEILINK'S" HIGH GRADE STEEL SAFES

NOTICE—Light wall construction filled with light and dry cellular asbestos, one-third less weight with same capacity, reduces cost in shipping, easy to handle and occupy less space. Fireproof qualities do not depend upon weight. "Meilink's" safes resist fire better than the heavy, old style cement-filled safes, positively guaranteed against swelling walls and interior dampness, which ruins business records.

CONSTRUCTION—Best rolled steel and iron, special composition of cement and asbestos filling, tight and thoroughly dried, odd style safes filled only with cement, are conductive of dampness and by their greater weight increase freight charges as much iron and steel in Meilink's safes as in any of these safes, bolt work and inner and outer burglar steel plates are of best open hearth steel, not cheap low grade steel plates as in other safes. Outer door solid steel or iron, with flat on locks, nail set castors, hand polished baked on black enamel, gold and aluminum bronze decorations, nickel plated and polished, knobs, dial plate and hinges, bound carpet on bottom. Each packed with excelsior and burlapped

For Home—(Mfrs. 8½) Outside 27¾x21x31½, inside 11x7x8½, sub-treasury 3½x8½x6, lock drawer 5¾x8½x2½, file space 8¾x8½x2½, book space 12¾x8½x6, about 85 lbs.

H6806—Shipping wt. 107 lbs. Each, **$18.50**

For Small Business or Home—(Mfrs. 6) Outside 22¾x14½x18, inside 13¾x10½, sub-treasury 4¾x6¾x3½, lock drawer 2¼x6½x3, file space 10¾x6½x3½, book space 13¾x10½, about 125 lbs.

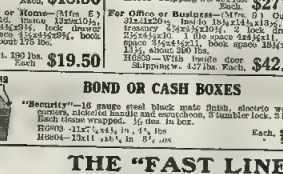
H6807—Shipping wt. 190 lbs. Each **$19.50**

For Doctors', Lawyers' or General Use—(Mfrs. 7) Outside 26x16x22, inside 16x10x12½, sub-treasury 4½x6¾x10½, 2 lock drawers 4¾x8½x10½, file space 13¾x4½x10½, book space 15x8x12½, about 240 lbs.

H6808—Shipping wt. 264 lbs. Each **$27.50**

For Office or Business—(Mfrs. 9) Outside 31x20x26, inside 18¾x14¾x18½, sub-treasury 4¾x8¾x10½, 2 lock drawers 2¾x6½x10½, 1 file space 4½x6½11, 1 file space 15¾x6½11, book space 18½x8¾x12½, about 360 lbs.

H6809—With inside door. Shipping wt. 437 lbs. Each, **$42.50**



ELECTRIC WELDED CORNERS

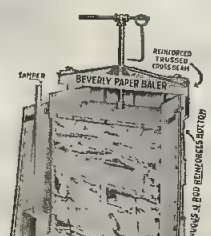
BOND OR CASH BOXES

"Security"—16 gauge steel black matte finish, electric welded corners, nickeled handle and escutcheon, 2 tumbler lock, 2 keys. Each cheese wrapped. ½ doz. in box.

H6803—11x6½x4½, 5 lbs. Each, **$3.50**
H6804—13x11 x8½, 10 lbs. Each, **$4.25**

"BEVERLY" UP-TO-DATE PAPER BALER

The "Beverly" without question is the greatest paper baler value on the market today. A comparison of capacity and prices with any other make will carry conviction. Nothing but the best grade 1 in selected number in steel in the body construction. Has double bottom with cross reinforced by 24 gauge sheet steel. Bottom is further reinforced by continuous steel rod running entirely around the bottom, and clamped to the cross-bar. The large cross-beam is reinforced on top by heavy steel truss rods, securely fastened on both ends of the beam and arched at the point where most strength is required. The lever screw is made of 1¼ in. steel and is strong enough to withstand all requirements. Cross-beam and screw tilts back to allow filling. It is the strongest and most easily operated hand paper baler on the market and will help you to turn a waste into profit. Every time you bale waste paper you are throwing away money. Waste paper is the merchant's natural by-product which, if baled, will bring from $15 to $25 a ton. You can turn your waste paper into actual cash—and the "Beverly" paper baler is best for your purpose. The original cost of the baler will soon be returned to you and then it will be clear profit. You can furnish names of concerns buying baled waste paper. Each baler is furnished complete with 1 hook for handling of bales, 3 large tampers, 1 lever for screw, wire sufficient to bale 1000 lbs. paper, and complete directions.



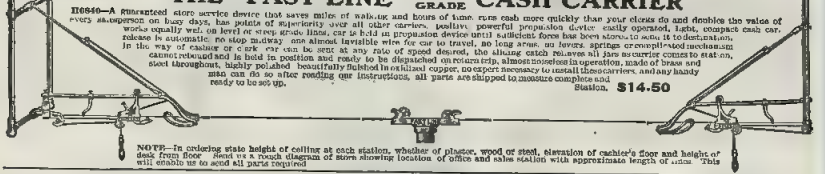
Prices on "Beverly" Paper Balers—Note Capacity of Each Baler

	Wt. of Bale	Size of Bale	Size of Baler Ht.	Width	Depth	Wt. of Baler		
H9497—	75 to 125 lbs.	26x22x18	46	24	22	150 lbs.	Each,	**$12.50**
H9498—100-150 "		30x26x18	48	32	22	165 "	Each,	**$13.50**
H9499—140-225 "		36x27x18	48	34	24	175 "	Each,	**$15.50**

Extra Wire for Above Balers

H9496—Sufficient to bale 1000 lbs. of paper 250 reels in bundle .. Bdl. **$1.35**

THE "FAST LINE" HIGH GRADE CASH CARRIER



H6840—A guaranteed store service device that saves miles of walking and hours of time. runs cash more quickly than your clerks do and doubles the value of every salesperson on busy days, has points of superiority over all other carriers, positive powerful propulsion device easily operated, light, compact cash car, works equally well on level or steep grade lines, car is held in propulsion device until sufficient force has been stored to send it to destination. In the way of cashier or cash car can be sent at any rate of speed desired, the sliding catch releases all cars accurate comes to station, cannot return and is held in position and ready to be dispatched on return trip, almost noiseless in operation, made of brass and steel throughout, highly polished, beautifully finished in oxidized copper, no expert necessary to install these carriers, and any handy man can do so after reading our instructions, all parts are shipped to measure complete and ready to be set up. Each Station, **$14.50**

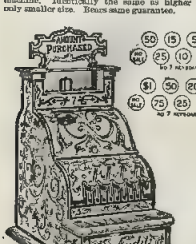
NOTE—In ordering state height of ceiling at each station, whether of plaster, wood or steel, elevation of cashier's floor and height of desk from floor. Send us a rough diagram of store showing location of office and sales station with approximate length of lines. This will enable us to send all parts required

CASH REGISTERS AT PRICES WITHIN YOUR REACH

Machines that are made just as skillfully, will give you just as good service and look as well as the expensively advertised high priced machines. They meet every requirement of the up-to-date store. High grade in every respect. Mechanically perfect. Guaranteed for two years. Every store needs a cash register. These low prices make it easy to own one.

The "AUDIT"

The best machine in the market for a small store. An ideal register for those who do not wish an expensive machine. Identically the same as higher priced ones only smaller size. Bears same guarantee.



H6843—Keys similar to "Premier," same finish, material and working parts, registers from 1c to 50c or from 1c to $1.00, full plate glass top, key well nickel plated, lid over selling wheels lined with velvet. When ordering please state keyboard desired. 1 in crate, 74 lbs. Each **$22.50**

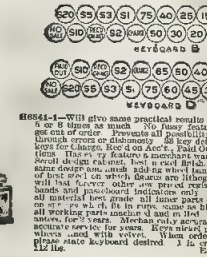
CASH REGISTER SUPPLIES

Transaction Slips 50 in pad

H6853—"Received on account"	Doz.	$0.30
H6854—"Charge"	"	.50
H6849—"Paid Out"	"	.30
H6855—" No Sale"	"	.50
H6850—Long "Daily Record"	"	.45

The "PREMIER"

A machine that will fit variety, general and all other types of stores.



H6841-1—Will give same practical results as any register costing 5 or 6 times as much. No fussy features or allowances to get out of order. Prevents all possibility of leaks or less either through errors or dishonesty. 56 key detail listing with special keys for change, Received on Acc't, Paid Out and No Sale transactions. Has every up-to-date feature merchant wants and actually needs. Small height cabinet, best nickel finish, highly polished back same design and size, adding wheel bands and indicators made of best steel on which figures are lithographed, can't peel off, wheel bands and indicators only locks on cash drawers, all material best grade all inner parts of steel, drawer works on steel rails, all parts same as highest priced registers, all working parts of machine of nickel plated steel. Guarantees, four years. Merchant only accurate. Will give unlimited accurate service for years. Keys nickel plated lid over adding wheels lined with velvet. When ordering please state keyboard desired. 1 in crate. Each **$40.00**

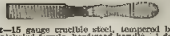
The "PREMIER Jr."

H6842-2—Same as H6841-1 "Premier," except it has 15 keys. Keys all nickel plated, lid over adding wheels lined with velvet. Registers from 1c to $9.99 or 5c to $9.95. Fits any store. When ordering please state keyboard desired. 1 in crate, 84 lbs. Each, **$32.50**

CHISELS

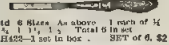
Good materials and workmanship. A selected showing here. Stock from it and save money.

SOCKET FIRMER CHISELS

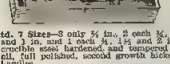


Flat—15 gauge crucible steel, tempered bit, shellacked ferrule, hardwood handle. 1 doz in box.

H6295 ¼ in	Doz	$0.42
H6296—¾ "	"	.75
H6297 1 "	"	.84



Assid 6 Sizes—As above. 1 each of ¼, ½, ¾, 1, 1¼, 1½. Total 6 in set.
H423—2 set in box. SET of 6, $2.25



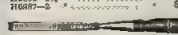
Assid. 7 Sizes—3 only ⅝ in., 2 each ½, ¾ and 1 in., and 1 each ¼, 1¼ and 2 in., crucible steel, hardened and tempered in fill, full polished, second growth hickory handles.
H426—1 doz in box. Doz. $3.25

"Belmont" Asst—Cast steel, polished and tempered hickory handle.
H428—3 each ¾, 1, 1¼, 2 in. 1 doz. in box. Doz. $3.60
H429—11 each ¼, ½, ¾, 1, 1¼ and 1½, 6 in box. SET of 6, $2.25

"GOLD SEAL" SOCKET FIRMER CHISELS

Single Sizes—Warranted forged tool steel, tempered, full polished, plain edge, selected hickory handles. Strictly first quality warranted.

H6977 ⅛ in	Doz	$3.00
H6978—¼ "	"	3.10
H6979—½ "	"	3.15
H6980 ⅝ "	"	3.50
H6981—¾ "	"	3.50
H6982 1 "	"	3.60
H6983—1¼ "	"	3.75
H6984—1½ "	"	4.40
H6985—1¾ "	"	4.50
H6986—2 "	"	5.00
H6987—2½ "	"	5.50

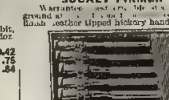


Assid 7 Sizes—As above 1 each ¼, ½, ¾, 1, 1¼, 1½ and 2 in. tempered full polished black cherry finish handles.
H440—1 set in box. SET of 7, 68c

Assid 12 Sizes—As above 1 each ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼, 1½, 1¾ and 2 in. Total 12 in set.
H439 1 set in box. SET of 12, $4.10

"MASTER MECHANIC" SOCKET FIRMER CHISELS

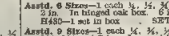
Warranted, tempered, bevel edge, ferrule ground at 1 and 1½ in. edges, nickel finish, leather tipped hickory handles.



Assid. 6 Sizes—1 each ¼, ½, ¾, 1, 1¼ and 2 in. In hinged oak box. 6 in set.
H430—1 set in box. SET of 6, $3.25

Assid. 9 Sizes—1 each ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼, 1½ and 2 in. In varnished oak box 6 in set.
H491—1 set in box. SET of 9, $4.50

COLD CHISELS

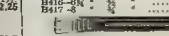


"Excellent"—Full length, high grade tempered. 1 doz. in box.

H415—6 in., ¼ in. cut.	Doz	$0.36
H416—6¼ " ⅜ "	"	1.00
H417 -8 " ½ "	"	1.55

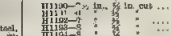
Forged Crucible Steel—Tempered in oil, bit and head full polished, natural black finish handle, warranted. ½ doz. in box.

H1100—7 in., ⅜ in. cut.	Doz	$1.25
H1101 " 8 " ½ "	"	1.25
H1102—7 " ⅜ "	"	1.65
H1103—8 " ½ "	"	2.00
H1104—7 " ⅝ "	"	2.00
H1105—8 " ⅝ "	"	2.50



Set—6 in set 1 each ¼, ⅜, ½, ⅝, ¾ and 1 in. cabinet set, in polished red finish box with black rubber handle. Each set in dark green lined canvas roll.
H423—2 sets in pkg.
SET of 6, 95c
(Total $1.90)

STAR HAND DRILLS



Hand Forged Highest grade Octagon steel for drilling stone brick concrete etc. hardened and tempered ½ doz in box.

H1568—1x12 in	Doz	$2.48
H1569—1x15 "	"	2.75
H1570—6x12 "	"	3.20
H1574—6x15 "	"	3.50

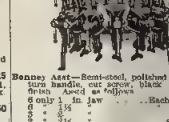
VISES

AND ANVILS

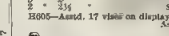
A select showing of the tools which are the most useful and therefore the best sellers

JAPANNED VISES

Combination—4½ in. jaws 1 in. max. and vise, heavy turned screw, polished jaws.
H1053 1 doz in box. Doz $1 50

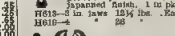


Bonney Asst—Semi-steel, polished jaws and jaw handle, cut screw, black japanned finish. Assid as follows
6 only 3 in. jaw . . . Each, 25c
6 " 3½ " . . . " 35c
6 " 4 " . . . " 50c
2 " 4½ " . . . " $1 00
H6005—Assid. 17 vises on display stand. Asst. $6.75



Oval Sliding — Chilled steel face, polished jaw cut screw black japanned finish, 1 in pkg.
H618—3 in jaws 13½ lbs. Each $1 50
H619—4 " 26 " " 2.35

Swivel Base—3 in hardened steel jaws swivel base steel screw wrought turning bar finished in red
H615—1 in pkg. 14½ lbs. Each, $3.00



"Stewart" Handy Worker
6 Tools in One
"Stewart"—Complete Drill press, vise, pipe vise, metal cutter, 3-speed machine with large chuck for drills, grinding wheels, screw threads, buffing wheels etc. Complete with all attachments necessary for drilling etc. Each complete in box. Shipping wt. 90 lbs.
H7017—1 in box. . . Each $9.80

Mechanics' — 1 in hardened steel jaws, 3½ in. long, 1¾ in. wide, heavy screw, 9 in. steel turning bar
H616 1 in pkg. 35 lbs. Each $4.85

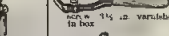
HAND VISE

H606—Heavy iron frame, 1¼ in jaws, heavy screw turned with 3½ in. variabled handle. 1 doz. in box. Doz 69c

PIPE VISE

H612—12 in high, self locking, hardened tool steel jaws, milled, interchangeable, takes pipe to 2½ in in jaw. 13 lbs Each, $1 75

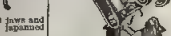
COMBINATION ANVIL VISES



H623—26 lbs., 3 in jaws, open 5 in., chilled steel face polished and lacquered, turned steel screw black japanned base 1 in pkg. Each $1.20

H624—52 lbs., 4½ in. polished jaws, open 13 in., black japanned chilled steel anvil face polished and lacquered, turned steel screw 1 in pkg. Each $3 25

ANVIL



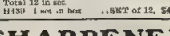
H3582—50 lbs. ground and polished steel chilled steel face, horn black enamel 1 in pkg. Each $2.25

SHARPENERS

WHETSTONES, GRINDERS and CARBORUNDUM STONES

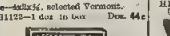
Study the prices we quote here. Every item is a big value for the money. Order your supply from this page.

WHETSTONES

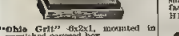


Axe—4x8x¾, selected Vermont.
H1122—1 doz in box. Doz. 44c

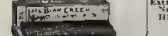
"Ohio Grit" 4x2x1, mounted in varnished covered box.
H1127—1 doz. in box. Doz 88c



"Bear Creek"—7x2x1, oil or water, extra selection mounted in covered cherry finished box.
H1140—½ doz. in box. Doz. $1.95

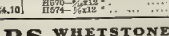


Turkish "Acme" 6¾x2x1, oil fine one side coarse on reverse, extra rapid cutting. Each in carton.
H1131 — ½ doz. in box. Doz. $2.25

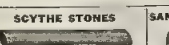


M. F. "Washita" 7x2 in. extra fine stone mounted in covered cherry box.
H1132—½ doz. in box Doz $4.50

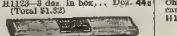
SCYTHE STONES



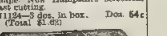
Artificial Emery 10x1 in., American emery, sand gray, red white.
H1158—3 doz. in box. . . Doz. 44c
(Total $1.32)



"Bear Creek" — 10 in., octagon shape. New Hampshire selection, fast cutting.
H1134—3 doz. in box. Doz. 84c
(Total $2.52)



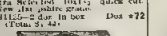
Extra Selected India, quick cutting, fine pulpy grade.
H1142—2 doz. in box Doz. $72
(Total $3.44)



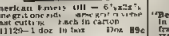
American Emery Oil — 6½x2x1, fine grit one side coarse reverse, fast cutting. Each in carton
H1128—1 doz. in box Doz. 89c

CARBORUNDUM STONES

Manufactured by the celebrated Carborundum Co. of Niagara Falls, N. Y., who are in their specialty process. The hard, sharp, fast cutting stones known to the world to-day. EACH GUARANTEED



Carborundum Rifle Stones—14 in. shaped hardwood stick, covered with carborundum, quick cutting long lasting.
H1060—3 doz. in box. Doz 85c
(Total $1.70)

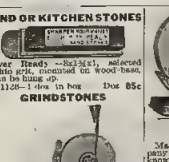


Scythe Stones
H1044—Alcrite, 10 in 8 doz in displ'ay box. Doz 98c
H1045—Carborundum 10 in. coarse 1 doz carton Dz. $1.50
H1046—Carborundum 12 in. extra coarse in 1 doz carton. Dz $1.95

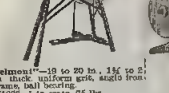
SAND OR KITCHEN STONES

"Bear Head"—8x1½x1, selected Ohio grit, mounted on wood base, can be hung up.
H1126—1 doz in box. Doz 85c

GRINDSTONES

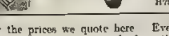


"Belmont"—10 to 20 in., 1¾ to 2½ in thick uniform grit, angle iron frame, ball bearing.
H1006—1 in crate, 75 lbs. Each, $3.10



"Keenedge"—26 to 32 in., 2 in thick uniform grit, 6 in. bar frame, full ball bearing, adjustable seat, 4 to 6 in. vert. cut, can also be adjusted horizontally on frame to suit operator
H1151—1 in crate 90 lbs. Ea. $4.25

HAND GRINDSTONES



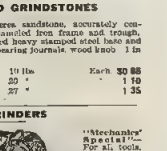
Hand—Select Berea sandstone, accurately centered, run channeled iron frame and trough, black japanned heavy stamped steel base and handle, ball bearing journals, wood knob, 1 in case

H1063—6 in	10 lbs	Each $0 88
H1064—8 "	20 "	" 1 10
H1065—10 "	27 "	" 1 35

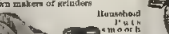
"LUTHER" GRINDERS

Made by the Luther Grinder Company one of the oldest and best known makers of grinders

Household Tools smooth cutting edge on knives scissors etc will not draw temper. All in carborundum and wheel high speed



"Mechanics' Special"—For all tools. 6x1 in carborundum wheel, spiral grooves from solid blank, enclosed in patented 1 piece case. Improvable steel adjusting wheels and handle over hanging bearing cam pinion with tool guide, chisel guide and scissors guide.
H1136—1 in box 9 lbs Each $3.55

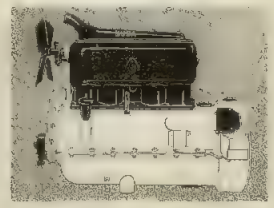


gear, tool rest, scissors guides and knife guide
H1134—1 in box, 45 lbs. Ea. $1 27

"Challenge"—For light tools, 4x1 in carborundum wheel, enclosed cut gear has all tool rests
H1135—1 in box, 5 lbs Each, $1.95

"Bear Maide"—Adjustable, can be used both in horizontal and perpendicular positions, 6x1½ in carborundum wheel, on solid steel grained side, eliminates bonding, worm gear and ball bearing runs in oil bath, gears cut from solid steel tool, wheel plane and bit guides.
H1137 1 in box, 8 lbs Each, $4.25

"LET US HAVE THE FACTS"—No. 3



ACCESSIBILITY

Two motors of different make may be equal in quality, skill of manufacture and performance —at first. In performance one soon falls behind. It lacks a most important feature of design—accessibility. The necessary adjustments cannot be made easily and cheaply, and as a result they are not made as often as they should be.

The BUDA MOTOR

of today has not been *designed* in the strict sense of the word. It has been *developed* in accord with the BUDA policy along lines which long experience in practical use has proved the best.

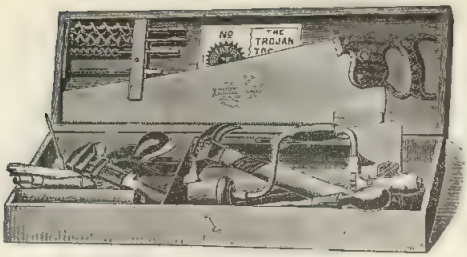
Extremely high mechanical efficiency and accessibility have been developed side by side. Buda records for durability, power and torque are well known. Buda accessibility has been as fully attained.

The BUDA MOTORS for cars, trucks and tractors bear the closest technical examination. Try it. Ask for

The new truck motor catalog containing full specifications.

THE BUDA COMPANY, HARVEY (Chicago Suburb), ILL.

THE BUDA COMPANY
BUDA
MOTOR
the part to buy the car by
ESTABLISHED 1881



No. 1900

TROJAN

17 Standard Mechanics Tools

Contents

¼, ½, ¾ and 1 in. auger bits, ⅛ in. gimlet bit, Riverside ratchet brace, 5 in. screw driver, No. 11½ Crown nail hammer, Carter shingling hatchet, 102 level, 110 block plane, 6 in. button plier, 68 boxwood rule, 22 in. Penn hand saw, oil stone, 8 in. agricultural wrench, 016 awls and tools. Inside measurement 27x8⅛x4 in.

No.	Wt. each	Each
1900 Complete	18½ lbs.	$10.00
1900 Box only	6¾ lbs.	2.50

No. 2900

BOYS' FAVORITE

33 Tools

Contents

Brace, screw driver bit, saw, chisel, screw driver, brad awl, scratch awl, hammer, hatchet, mallet, tape line, hand screw, chalk line and reel, marking gauge, oil can, nail set, jig saw, level, smooth plane, T square, try square, mitre box, mitre gauge, triangle, sand paper, nails and tacks, crayon, lead pencil, pliers, dividers, gimlet, tack puller, rule with English and metric scale. Inside measurement 19x9x7 in. with tray and handles.

No.	Wt. each	Each
2900	15 lbs.	$6.50

No 2750

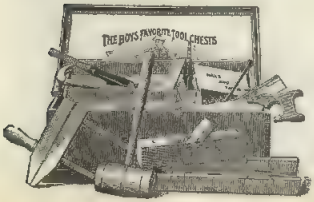
BOYS' FAVORITE

27 Tools

Contents

Mallet, brace, screw driver bit, saw, chisel, screw driver, hammer, hatchet, tape line, hand screw, chalk line and reel, brad awl, marking gauge, smooth plane, mitre box, mitre gauge, T square, try square, triangle, sand paper, nail set, crayon, nails and tacks, gimlet, tack claw, lead pencil, foot rule. Inside measurement 17x8x6 in. with tray and handles.

No.	Wt. each	Each
2750	10¼ lbs.	$4.00



No. 2600

BOYS' FAVORITE

18 Tools

Contents

Mallet, saw, chisel, screw driver, hammer, tape line, hand screw, foot rule, lead pencil, smooth plane, mitre box, mitre gauge, T square, try square, triangle, sand paper, nails and tacks, crayon. Inside measurement 14¾x6¾x4¾ in. with tray.

No.	Wt. each	Each
2600	6¼ lbs.	$2.50

PLUMBS AND LEVELS

NON-ADJUSTABLE

No. 102

Level only. Cherry stained, polished, assorted lengths.

No.	Length	Wt per doz.	Per doz
102	10 to 16 in.	11 lbs.	$4.80

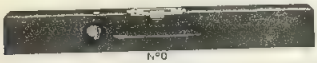
One-half dozen in a box.

No. 104

Cherry stained, arch top plate, two side views, polished.

No.	Lengths	Per doz.
104	12, 14, 16 and 18 in.	$6.60

Weight per dozen 21 lbs.



No 0

Cherry stained, arch top plate, two side views, polished.

No.	Lengths	Per doz
0	24, 26, 28 and 30 in.	$9.60

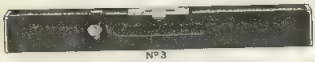
Weight per dozen 38 lbs.

Cherry stained, arch top plate, two side views, brass tips, polished.

No.	Lengths	Per doz.
03	24, 26, 28 and 30 in.	$13.20

Weight per dozen 45 lbs.

ADJUSTABLE



No 3

Mahogany, adjustable, arch top plate, two side views, polished

No.	Lengths	Per doz
1	24, 26, 28 and 30 in.	$15.00

Weight per dozen 41 lbs.

Cherry stained, adjustable, arch top plate, two brass tipped side views, polished.

No.	Lengths	Per doz
2	24, 26, 28 and 30 in.	$13.80

Weight per dozen 45 lbs.

Cherry stained, adjustable, arch top plate, two side views, brass tips, polished

No.	Lengths	Per doz.
3	24, 26, 28 and 30 in.	$15.00

Weight per dozen 46 lbs.

Triple stock, adjustable, arch top plate, two brass tipped side views, brass tips, polished.

No.	Lengths	Per doz.
5	24, 26, 28 and 30 in.	$19.80

Weight per dozen 48 lbs

DUPLEX—ADJUSTABLE

No. 30

Cherry adjustable, arch top plate, improved duplex side views, brass tips, polished.

No.	Lengths	Per doz
30	26, 28 and 30 in.	$18.00

Weight per dozen 49 lbs.

No. 13

Selected straight grained cherry. Proved glasses set in metal cases, adjustable. Square top plate. Brass tipped. Two plumbs Proved glasses No 15 has triple stock, brass tipped side views.

No.	Length	Wt per doz	Per doz
13	26, 28 or 30 in.	51 lbs	$18.00
15	26, 28 or 30 in.	51 lbs	24.00

ADJUSTABLE, BRASS BOUND

NOS. 93, 95 AND 96

Brass bound, two brass tipped side views. No 93 has proved. Nos. 95 and 96, ground glass. No. 96 has 5-piece stock.

No.		Lengths	Wt per doz	Per doz
93	Mahogany	26, 28 and 30	42 lbs.	$ 72.00
95	Mahogany	26, 28 and 30	45 lbs	96.00
96	Rosewood	26, 28 and 30	60 lbs	132.00

One-twelfth dozen in a box

MASONS' LEVELS

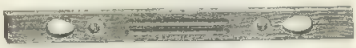
STANLEY

No. 35

Cherry stained, adjustable arch top plate, two side views, polished. 42 in. long, adapted for plumb bob and line.

No.	Wt. per doz.	Per doz.
35	66 lbs.	$21.00

One-half dozen in a wooden box



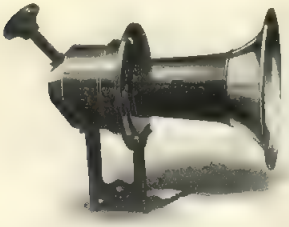
No. 45¾

Cherry stained, adjustable, square top plate, two side views, two plumbs, proved glasses 48 in long 3½ in wide 1⅛ in thick, adapted for plumb bob and line.

No.	Wt. per doz.	Per doz.
45¾	60 lbs.	$32.00

One-half dozen in a wooden box.

AUTOMOBILE HORNS



GARFORD HAND WARNING SIGNAL

The sound is loud, clear, distinct and penetrating. It is of such volume that on country roads it carries miles ahead, around bends and over hills, while in the city it rises far above all ordinary traffic noises and commands everybody's attention

EASE OF OPERATION—The first of these exclusive features is the ease with which the horn operates. The plunger can be pushed down without any difficulty whatever and does not require a blow from the hand, a feature characteristic of practically all other hand horns.

Price, Each $3 50

BICYCLE HAND HORN

Long Horn

Always warns by giving a loud noise

Each $1 50

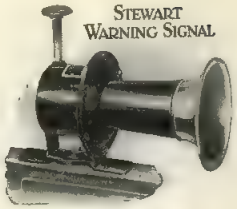
UNIVERSAL PUSH BUTTON

Price, Each $0.25

HORN BULBS

Extra quality seamless black bulbs; soft, pliable and springy.

No. 1—Small	Each $ .75
No. 2—Medium	" .85
No. 3—Large	" 1 00



STEWART HAND WARNING SIGNAL

On the Stewart Hand Warning Signal all parts are riveted or bolted, which insures long life, regardless of the amount of usage it receives. No soldered parts to work loose by vibration.

The gears on this Stewart Warning Signal are not light, flimsy affairs, but are case-hardened. Each gear is supported on a shaft, both ends of which run in hardened steel bushings. All this means greatest ease of operation.

Each $3 50

STEWART MOTOR WARNING SIGNAL

The Stewart is superior to all others; first, because its motor is entirely enclosed in its own case. The shaft can never get out of alignment. It is the most economical in amount of current required to run it. Runs at highest speed with the very smallest amperage. Brushes of an especially large size. Rear bearing provided with ball thrust. Friction eliminated. Motor will not stick, due to superior bearings and ample lubrication. Large sized oil well keeps shaft always lubricated. No oil gets into rest of mechanism. Weighs half as much as other motor-driven warning signals, sound considered.

Each $6 00

Model 115-A

TRUCK HAND HORN

One complete pressure of the plunger produces 192 distinct sound impulses in the large diaphragm. The result is a wonderfully effective warning signal—a full, round, hearty tone, deep and penetrating, and surpassing anything that has ever been put on the market. Slightest pressure on plunger with hand, arm, elbow, or finger produces a warning blast "that makes them pay attention."

Some horns you lubricate by simply squirting oil through a small hole. But in this Stewart Warning Signal there is an oil-soaked felt pad which rubs against the bearings and wheels continually—an oiling method that is absolute perfection.

Each $3 50

STEWART STARTER FOR FORD CARS

The Stewart Starter is a compressed air Starter. The highest engineering authorities have always conceded that compressed air starters are superior to all other types. The universal use of compressed air power can be no better illustrated than by the air brake systems installed on every railway and electric car and which are such wonderful successes.

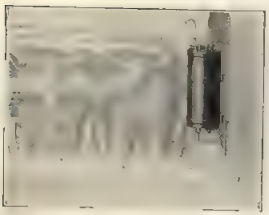
It is absolutely automatic in operation. It is always ready. Simply press the pedal with your foot, and a charge of compressed air applies its power at the end of the crank shaft, and spins the engine exactly as you would crank it by hand. There is no action that is at all detrimental or foreign to the general working of the motor.

A most efficient air pump maintains a pressure of 200 pounds in the air storage tank. An automatic cut-off prevents any pressure above this point. (The tank is tested to stand 500 pounds pressure to the square inch.)

A special connection, with hose, gauge, etc., is provided so that the compressed air may be used for inflating tires. This is another great advantage with the Stewart Starter, because your tire costs are saved by keeping tires properly inflated at all times.

Complete, ready to install..... $40 00

STEWART VACUUM GASOLINE SYSTEM



It is a small tank, installed under the hood on the dash or engine, and connected to the manifold, carburetor and gasoline supply reservoir.

The suction of the engine through the manifold draws the gasoline from the rear reservoir to the small tank under the hood, from which the gasoline falls in a positive, even flow to carburetor.

No preliminary hand-pumping air into gasoline tank before starting car. No depending upon a motor-driven air pump to keep up the pressure after you start.

No air gauge to watch; no air lines to keep tight; no air tight connections necessary anywhere.

The Stewart Vacuum Gasoline System does away with all need of pressure—eliminates power pressure pumps, hand pressure pumps, air gauge on dash, extra line of piping in rear tank, gasoline filler and all labor of installing all this equipment, does not require air tight supply tank nor air tight filler caps. The carburetor may be placed high on the engine, where it is easily accessible, and where heat of engine greatly assists carburetion. Can be installed on any old or new car.

Each $10 00

THUNDER HAND HORNS

Thunder Horn—Model L

The plunger is a round, heavy rod of steel, machined, hardened and ground to size. The knob is of steel, machined, nickeled and polished. It is of sufficient size to withstand the hardest knocks and where a great many horns fall down on this one point, we absolutely guarantee this knob not only against breakage, but also against coming off. The rotar is of hardened steel insuring long life—in fact, all parts are of hardened steel. All bearings are long and the weight of the rotar and the thrust is taken up by a ball thrust collar. The diaphragm is is vanadium steel, giving more vibrations per minute than in ordinary steel. The frame is of pressed steel, and very sturdy—in fact, no castings are used in any part of the construction. All parts of this horn are either of machined or pressed steel of the finest quality.

Thunder Horn—Model S

Thunder Horn—Model L is the standard horn and the size that enjoys the greatest popularity among motorists for pleasure cars. Finished in all dull black, all bright black, and bright black with nickel bell.

Model L. Length 9 inches..... Each $3 50

Thunder Horn—Model S is designed for use on trucks, and is guaranteed to stand great vibration and very rough usage. Finished in all dull black, or all bright black only.

Model S. Length 6 inches..... Each $3 50

SPARK COILS

ENDURO

WEATHERPROOF GAS ENGINE

NOS. 2A TO 8A

NOS. WP7A AND WP8A

No.		Length	No. layers in coil	Size wire	Size core	Each
2A	Gas lighting	8 in.	6	14	¾ in	$3.75
2AA	Gas lighting	10 in.	6	14	¾ in	4.50
7A	Gas engine	10 in.	6	14	1⅛ in	4.50
8A	Gas engine	12 in.	6	14	1⅛ in	4.75
WP7A	Gas engine	10 in.	6	14	1⅛ in.	4.75
WP8A	Gas engine	12 in.	6	14	1⅛ in.	5.00
27A	Edison type	.. in.	14	14	1½ in.	3.24
27B	Edison type	.. in.	12	13	1¼ in.	2.96

ENDURO PRIMARY

NOS. 27A AND 27B

THORDARSON
STEEL CASE MAKE AND BREAK

NOS. 2A TO 9A

With and without switches. Enclosed in black enamel heavy steel case and immersed in an insulating compound. Single or double throw switch assembled on cover.

No.	Dimensions	Weight	Each
2A	2¾ x3¾ x5¼ in.	5 lbs.	$2.00
2G	3 x5 x4 in.	7 lbs.	2.50
4G	2¾ x3¾ x4¾ in.	5 lbs.	3.00
6A	2¼ x2⅛ x6 in.	3 lbs.	1.10
9A	1⅞ x3 x5¼ in.	3 lbs.	1.20

Equipped with single throw switch 10c extra. Equipped with double throw switch 20c extra. With insulated handles 5c extra additional.

MARINE AND STATIONARY ENGINE BOX

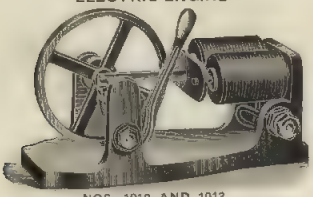
ONE AND TWO-CYLINDER

Box type coils are equipped with the Perfection vibrator and standard high grade windings. Encased in a lock-cornered oak case and immersed in a waterproof insulating compound. Coils are guaranteed to operate efficiently on 3-10 of an ampere. Range of adjustment, 3-10 to 8-10 of an ampere.

	Height,	Width,	Length,	Each
1 cyl.	3⅛ in.	3½ in.	5⅞ in.	$4.50
2 cyl.	3⅛ in.	6¼ in.	5⅞ in.	9.00

TOY MOTORS

ELECTRIC ENGINE



NOS. 1012 AND 1013

This small electrically driven engine is strong, practical, educating and absolutely safe. The controlling lever governs the speed and also the direction of the drive. A grooved pulley is provided so that the engine may be used to run toy workshops, etc. Operated by one or two dry batteries, according to strength required

No.		Each
1012	5⅝ in. long	$2.00
1013	4 in. long	1.35

GEM

No. 3580

This is a well-made little motor. Will operate on one or two cells dry battery. All parts are nicely finished. Motor is mounted on a finished wood base.

No.		Each
3580	Gem	$1.50

AUTO DASHBOARD INSTRUMENTS

FLUSH TYPE

No. 1012

The dominant feature of these new EVEREADY instruments is SIMPLICITY. The movement of the pointer has been rendered extremely "dead beat" through the use of an aluminum vane moving in a partially closed air chamber. The pointer will instantly follow the smallest change of current flow, and as the torque produced by the magnetic field is high, the vibration of the car will not affect the reading of the instrument. The etched metal is large and clear, an aid to easy reading When no current is flowing the pointer instantly returns to zero This instrument is accurate, strong and rugged, dust and weatherproof, neat in appearance. Regularly furnished in dull black enamel finish with black dial. Can be furnished in polished nickel finish with silver finish dial without extra charge.

FRONT TYPE

No. 1013

Case diameter, 2⅛ in. Flange diameter, 2¾ in.

Voltmeter	Ammeter
Standard Ranges: 15-0-15, 30-0-30	Standard Ranges: 10-0-10, 15-0-15, 20-0-20, 30-0-30

No.		Each
1010	Voltmeter	$4.00
1012	Ammeter	3.50

Case diameter, 2⅛ in.

Voltmeter	Ammeter
Standard Ranges: 15-0-15, 30-0-30	Standard Ranges: 10-0-10, 15-0-15, 20-0-20, 30-0-30

No.		Each
1011	Voltmeter	$4.00
1013	Ammeter	3.50

BATTERY INSTRUMENTS

These meters have the smallest possible number of working parts and are therefore least liable to get out of order. The hand comes to an instant and positive stop without vibration, giving a quick reading and saving the battery. Will work in either direction of current.

E. R. POCKET AMMETER

No. 1002

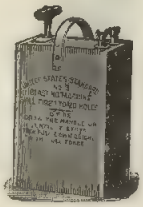
No.		Dia.	Range	Each
1002	Ammeter	2 in.	0-35 Amps.	$1.00

E. R. POCKET VOLT-AMMETER

No. 1003

No.		Diam.	Range	Each
1003	Volt Ammeter	2 in.	0-35 Amps., 0-11 Volts	1.30
1005	Volt Meter	2 in.	0-10 Volts	1.10

BLASTING MACHINES



Standard size for quarry and mine. Regularly equipped with two posts. Capacity 30 electric caps with copper wires.

No.		Weight, each	Each
3	Du Pont	25 lbs.	$30.00

A large machine for quarry, mine and excavating work. Regularly equipped with three posts. Capacity when two posts are used of 50 electric blasting caps with copper wires, or 75 when three posts are used.

No.		Weight, each	Each
4	Du Pont	45 lbs.	$60.00

Electric Fuses

Length of wires, feet	Double strength, extra quality, Per 100
4	$ 4.45
6	5.10
8	5.75
10	6.40
12	7.05
14	7.70
16	8.35
18	9.00
20	9.68
22	10.42
24	11.16
26	11.89
28	12.63
30	13.37

In ordering, specify length desired. Longer lengths made to order.

WHEEL GOODS

HAND CARS

LITTLE TOT

NOS. 10⅜ AND 11½

Steel frame, built for little tots, 2 to 4 years of age; frame rails ¾x⅛ in. flat steel, well braced; gear drive construction; wheel base, 22 in.; tread, 12 in.; seat 9 in. from floor. Wheels, red enamel; other metal parts black baked enamel; seat painted red and ornamented with transfers.

No.	Size of wheels	Size of rubber tire	Wt. each	Each
10⅜	6 & 8 in.	⅜ in.	20 lbs.	$5.50
11½	8 & 10 in.	½ in.	24 lbs.	6.00

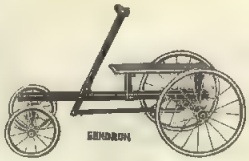
NEW IDEA

No. 27

Has frame rails 34 in. long. The wheels are enameled red; all other metal parts except the seat are black enamel. The seat is painted red and striped, and furnished with leatherette cushion. Rubber tires ½ in.

No.	Size of wheels	Wt. each	Each
27	12 in.	35 lbs.	$10.50

CRANK AXLE DRIVE

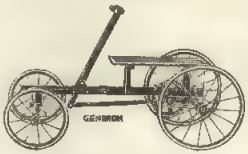


No. 20⅜

Steel frame, built for children 3 to 8 years of age; frame rails 1x⅛ in. flat steel, well braced. Wheel base 26 in., tread 16 in., seat 12 in. from floor. Wheels red enamel, other metal parts black baked enamel, seat painted red and ornamented with transfer. Rubber tires ⅝ in.

No.	Size of wheels	Wt. each	Each
20⅜	8 & 14 in.	25 lbs.	$7.00

GEAR DRIVE



NOS. 21⅜ TO 22½

Steel frame, built for children 3 to 8 years of age; frame rails 1x⅛ in. flat steel, well braced. Wheel base 27 in., tread 16 in., seat 12 in. from floor. Wheels red enamel; other metal parts black baked enamel; seat painted red and ornamented with transfers.

No.	Size of wheels	Size of rubber tire	Wt. each	Each
21⅜	8 & 12 in.	⅜ in.	30 lbs.	$7.00
21½	8 & 12 in.	½ in.	30 lbs.	7.50
22½	10 & 14 in.	½ in.	33 lbs.	8.00

Ball bearing wheels, otherwise same as No 22½.

No	Each
22½B	$10.50

TANDEM

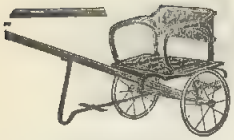
Steel frame, built for two children 3 to 8 years of age; frame rails 1x¾ in. flat steel, well braced. Wheel base 45 in., tread 16 in.; seats 12 in from floor. Wheels, red enamel; other metal parts black baked enamel, seats painted red and ornamented with transfers. Rubber tires ½ in.

No.	Size of wheels	Wt. each	Each
26½	10 & 14 in.	40 lbs.	$11.50

All the above one in a crate

WHEEL GOODS

SIDEWALK SULKIES



NOS. 16 AND 16½

No. 15

No. 13R

In construction this sidewalk sulky has reversible back rest, also shaped seat board, high side railings, also mud guards, furnished with arm rests, seat and back upholstered in tufted leatherette. Has improved fenders.

No.		Wt. each	Each
16	⅝ in. rubber tire wheels	12 lbs.	**$3.75**
16½	½ in. rubber tire wheels	13 lbs.	**4.00**

In construction this sidewalk sulky has reversible back rest, has a shaped seat board, high side railings, also mud guards, furnished with high arm rests, seat and back rest nicely stenciled and striped. Has improved fenders.

No		Wt. each	Each
15	⅝ in. rubber tire wheels	13 lbs.	**$2.75**

An excellent well made sulky at a low price, with reversible back rest, high side railings, adjustable foot rest and anti-tip rear extension.

No.		Wt. each	Each
13R	⅝ in. rubber tire wheels	12 lbs.	**$2.50**

Handles are selected stock, 1⅛ in. square Seat is roomy with high oval steel railing; has adjustable foot rest, wheels 10 in in diameter.

No.		Wt. each	Each
13	⅝ in. rubber tire wheels	12 lbs.	**$2.25**

One and two in a crate.

TRICYCLES

NOS. 18½ AND 20½

The construction of our tricycles is mechanically perfect. The frames have deep black lustre finish, produced by the use of the best baking enamel. The wheels are enameled red. Springs under seat are real springs—not springs in appearance only. Seat cushions are nicely upholstered in leatherette. Nickel-plated hub caps. With ⅝ in. rubber tire wheels. No. 18½, side wheels, 18 in.; front wheel, 10 in.; for girls 2 to 3 years. No. 20½, side wheels, 20 in.; front wheel, 12 in.; for girls 3 to 5 years.

No.	Wt. each crated	Each
18½	40 lbs.	**$12.00**
20½	45 lbs.	**14.00**

No. 41

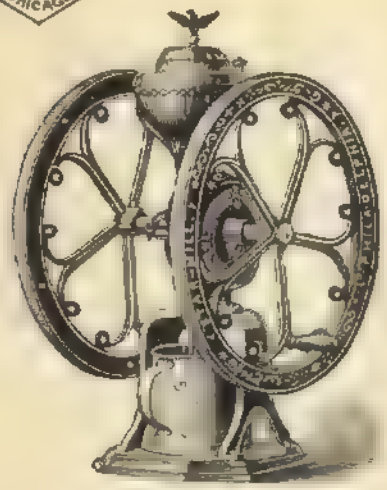
Distinctive merits

Frame and pedal rods polished round steel, enameled in red. Handle bar nickeled, with leather grips. Seat rails nickeled; upholstered in leatherette. Springs under seat—real springs, not springs in appearance only. Fenders steel, finished to match frame. Wheels enameled red. ⅝ in. rubber tires on both front and rear wheels. Rear wheels, 18 in.; front wheel, 10 in.; for girls 2 to 4 years.

No	Wt. each crated	Each
41	45 lbs.	**$15.00**

One in a crate.

Fine Coffee Mills, Scoops, Trucks and Delivery Carts



Illustrating No. 7.

TROEMNER COUNTER "STAR" COFFEE MILLS.

Counter Mills, Iron Hopper.

No.	Diam. Wheels.	Price
7	15-inch	$35 50
9	20-inch	47 30
12	27 inch	104 65

Nickel-Plated Hopper.

No.	Diam. Wheels.	Price
8	20-inch	$47 30
10	23-inch	67 95
14	27 inch	112.30

SOLID ALUMINUM SCOOPS.

No.		Each.
0	Size, 3 x 8½ in.	$2 25
1	Size 4 x 11 in.	4 55
2	Size, 5 x 12 in.	5 65
3	Size, 5½ x 14 in.	6 45

SALT SCOOP.

Size	Each.
4½ x 12 inches	$5 22

MERCHANTS TRUCK.

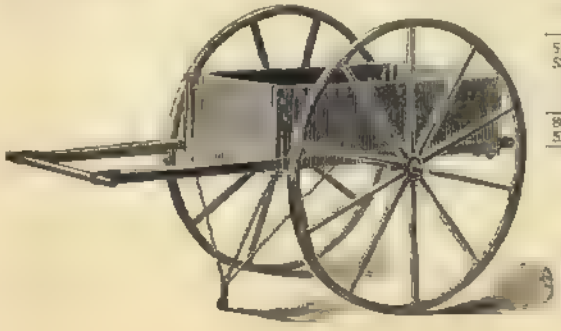
Half ironed, steam bent handles, turned axles, wheels bored and faced. Made from selected second growth Vermont oak or ash. Axles and collars forged from one piece of iron. Bolts pass through irons and handles. All parts made to template and are interchangeable.

No.	Length of Handles. Ft.	In.	Width. Inches.	Size of Wheels. Inches.	Diam. of Axles. Inches.	Weight. Lbs.	Price.
623	3	11	19	6 x2	1	45	$11.85
623½	4	3	21	6 x2½	1	55	14.80
624	4	7	22	8 x2½	1	75	18.70
Same as above full ironed							
623-1	3	11	19	6 x2	1	50	$13.40
623½-1	4	3	21	6 x2½	1	60	16.75
624-1	4	7	22	8 x2½	1	85	19.65

BARREL TRUCK.

Half ironed, bent plow handles, turned axles, bored wheels. 5½x1¾ inch wheels. Length of handles, 46 inches, width at nose 12 inches, width at upper bar 17 inches. Weight, 25 lbs.

No. 648 Each $8.80



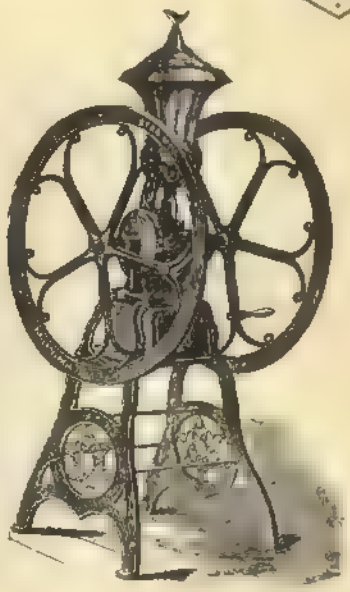


Illustration of No. 18

TROEMNER "STAR" COFFEE MILLS.

No. 18 Star Mill is the most popular mill of any yet offered to the public. Stands 67 inches high, has 36-inch fly-wheels, and nickel plated hopper. On account of its indirect feed it takes less power to grind than any other mill in the market, and prevents nails, etc., from getting into grinders.

No.	Prices of Floor Mills.	Each
15	N. P. hopper, 28-inch Wheels...	$132.90
16	Iron hopper, 36-inch Wheels...	137.85
18	N. P. hopper, 36-inch Wheels...	150.65
20	N. P. hopper, 42-inch Wheels...	221.50
21	N. P. hopper (power only).....	295 35

Pulleys, for power, extra, $23.65

MERCHANT'S RUBBER TIRED TRUCKS

Full ironed. Steam bent handles, 2-piece wheels. Clamp rubber tires.

Merchant's Rubber Tired Trucks

No.	Length of Handles. Ft.	In.	Width. Inches.	Size of Wheels. Inches.	Diam. of Axles. Inches.	Weight. Lbs.	Price.
5194 1	3	4½	18	5½x1¾	⅞	40	$24.88
5255 2	4	3	20	8½x1¾	⅞	50	30.77
Same as above half ironed							
8084 1	3	8½	18	5½x1¾	⅞	45	$20.89
5153-2	4	5	20	8½x1¾	⅞	50	27.33

Hand Delivery Carts

No.	Body.	Wheels.	Axle.	Weight.	Each.
1	40 x 24 x 10	36 inches	¾	81 pounds	$31.55
2	32 x 20 x 9	30 inches	¾	66 pounds	27.61

Counter and Platform Scales. Fireproof Safes

1863 1917

HOWE EVEN BALANCE BUTTER SCALES

Without Side Beam.

No. 4682	½ oz. to 16 lbs	$30.25
No. 4702	½ oz. to 10 lbs.	23.25
No. 4722	½ oz. to 6 lbs	17.85

With Side Beam

No. 4742	½ oz. to 16 lbs	31.85
No. 4762	½ oz. to 10 lbs	25.70
No. 4782	½ oz. to 6 lbs	20.30

HOWE EVEN BALANCE SCALES

With beveled brass side beam. Horns rubber tipped.

With Brass Scoop.

No. 3882	½ oz. to 16 lbs	$28.20
No. 3862	¼ oz. to 10 lbs	22.05
No. 3902	⅛ oz. to 6 lbs	18.40
No. 3942	⅛ oz. to 2 lbs	15.45

With Tin Scoop

No. 3842	½ oz. to 16 lbs.	25.75
No. 3882	¼ oz. to 10 lbs.	19.65
No. 3922	⅛ oz. to 6 lbs.	16.85
No. 3962	⅛ oz. to 2 lbs	14.20

HOWE BUTTER SCALES

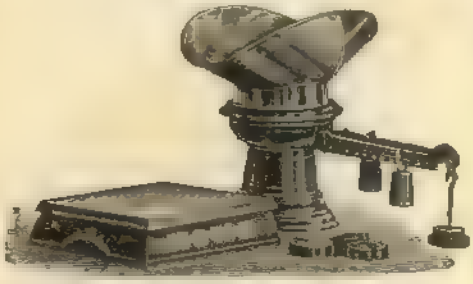
With Double Beam and Square Porcelain Plate Beams Graduated by ½ oz. to 8 lbs on each bar.

With Tin Scoop.

No. 4662	½ oz. to 62 lbs	$37.65
No. 4652	½ oz. to 36 lbs	33.05

Without Scoop.

No. 4642	½ oz. to 62 lbs	34.15
No. 4672	½ oz. to 36 lbs	29.55
No. 5962	½ oz. to 25 lbs	25.00

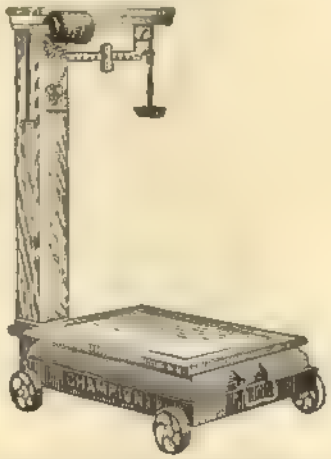


HOWE UNION OR FAMILY SCALES

Also made with fork to hold scoop for use in states of Wisconsin and Indiana.

Platform, 10x14 inches. Capacity, ¼ ounce to 240 pounds.

No. 3202	With tin scoop, single beam	$32.20
No. 3222	With tin scoop, double beam	34.50
No. 3242	With brass scoop, single beam	34.50
No. 3282	With brass scoop, double beam	36.85

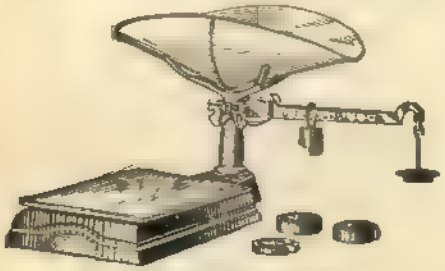


PORTABLE SCALES—LOW PRICED CHAMPION SCALES—STEEL BEARINGS

No. 20242	Capacity 400 lbs	$37.90
No. 20262	Capacity 600 lbs...	41.00
No. 20282	Capacity 800 lbs...	44.20
No. 20302	Capacity 1000 lbs	51.55
No. 20322	Capacity 1200 lbs	56.85
No. 20342	Capacity 1500 lbs	63.20

HOWE BALL BEARING PORTABLE SCALES—NONE BETTER MADE

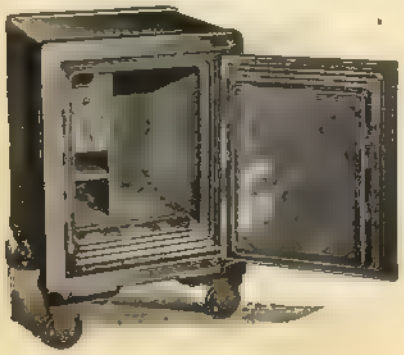
No.		
322	Capacity 400 lbs., platform 15x21 in.	$59.45
302	Capacity 600 lbs., platform 16x24 in.	73.80
292	Capacity 800 lbs., platform 17x24 in.	85.00
282	Capacity 1000 lbs., platform 17x26 in.	96.20



CHAMPION UNION SCALE

Capacity, 240 lbs.

No.		
22002	Union, tin scoop, single beam	$ 9.95
22022	Union, tin scoop, double beam	13.95
22042	Union, brass scoop, single beam	13.95
22062	Union, brass scoop, double beam	15.95



Steel Fireproof Safes

Safety, Utility and Durability Combined. Guaranteed.

The Body Construction.—The body of our safes is made of one continuous plate of **selected hammered Bessemer Steel**, not iron, forming the top, bottom and sides; the back is one piece selected armored steel.

The angle frames of our safes are high-grade selected steel. Each angle is thoroughly tested by an expert before using. **All corners are welded, both front and rear, making the frames solid throughout.**

All our safes are secured and protected by the Yale Combination Locks. The cabinet work is protected by a steel lining, there being between it and the inside cabinet an air chamber of one-half inch, giving additional fire protection.

Nickel plated trimmings, decorated with gold stripings and best grade of finishing varnish. Customer's name painted on safe when requested without charge.

These Safes Have Flanged and Interlocking Tongue and Groove Door with Yale Combination

No.	OUTSIDE Height In.	OUTSIDE Width In.	OUTSIDE Depth In.	INSIDE Height In.	INSIDE Width In.	INSIDE Depth In.	Weight Lbs.	Price Without Inside Door	Price With Inside Door
1	17	10	12	10	6	8	90	$ 39 90	
20-S	24½	16	16	11⅝	8	9	300	82 95	
25-S	27½	18⅛	18	12⅜	10	9½	400	91 35	
30-S	29¾	18⅛	20	15	10	11	500	100 65	$109 05
35-S	30½	20	21	18⅝	12¾	13	550	123 00	134 20
40-S	33	22½	22	18	14	13½	700	148 15	160 45
45-S	33	21½	24	20¾	16½	16	750	150 90	162 10
50-S	36	21½	24	22¾	16¾	14½	1000	.....	173 35

Prices and illustrations furnished cheerfully on larger safes upon request

A Sensational Success

Think of it—more than forty different makes of truck attachments were striving for dominance when the TRUCKMOBILE swung into the arena a few short months ago. Today the TRUCKMOBILE stands as a nation-wide success, enjoying a prestige both among dealers and users that puts it in a class by itself.

This shows how quickly the trade and the market recognized the *standardization* of the truck attachment. *"Real truck engineering!"*—that was the instant verdict on the TRUCKMOBILE. It was seen at a glance that the TRUCKMOBILE took the truck attachment out of the makshift class and gave it the perfection of which that wonderful idea was worthy.

"Biggest of them all"

1. The TRUCKMOBILE has a longer wheelbase—133 inches.
2. The TRUCKMOBILE rides easier under light as well as heavy loads, due to spring construction and long wheelbase.
3. Less sideway to frame and body on TRUCKMOBILE—due to method of spring attachment.
4. Wider frame—41½ inches.
5. More massive construction.
6. Fewer parts.
7. Bell sprocket that can be attached in few moments *keys onto jackshaft.*
8. Requires less time of dealer for making attachment to Ford chassis.
9. Load strain on axle properly distributed because side springs are nearer wheel center than on others.
10. Destroys none of the used or unused parts of Ford car.

TRUCK

$350

And a Ford Chassis
(Old or New)

From Coast to Coast!

We are going to push the TRUCKMOBILE success to greater and greater bounds. Our carefully planned advertising and sales work is going to bring TRUCKMOBILE delivery and hauling into every community. Every TRUCKMOBILE dealer will play a profitable part in the spreading of TRUCKMOBILE fame and the increasing of TRUCKMOBILE sales.

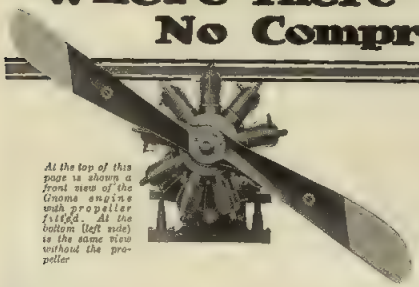
The biggest dealers in the country are taking on the TRUCKMOBILE. We allow only one dealer in a territory to handle the TRUCKMOBILE, and you may rest assured that everybody in that territory has heard about him. If you have not heard of a dealer in your territory write at once for our proposition.

The Commercial Truckmobile Co.

E. F. KIRCHBERGER, Pres.
Dept. D-4
1606 Michigan Avenue
CHICAGO, ILL.

MOBILE

Where There Can Be No Compromise—



At the top of this page is shown a front view of the Gnome engine with propeller fitted. At the bottom (left side) is the same view without the propeller

Illustration at the bottom (right side) of this page shows one of the Standard U. S. Ball Bearings used in the General Vehicle Company's 100 H. P. Gnome engines.

Efficiency—

That is the sole consideration of the General Vehicle Company in the production of the Gnome engine, illustrated herewith.

And bear in mind, too, that efficiency means not alone performance and endurance—but it also means

Safety—

That's why, in selecting the bearing equipment for Gnome engines U. S. BALL BEARINGS were chosen by the General Vehicle Company.

STILL further evidence of the unquestioned superiority of the ball bearing as an anti-friction device is furnished by the almost universal use of ball bearings by aeroplane manufacturers.

As we have stated in our heading to this advertisement, in aeroplane products there can be no compromise. A man, soaring up into the air at a speed of maybe a hundred miles an hour and at a height of anywhere from a thousand feet to a mile or two from the ground, takes no chances in the equipment of his machine.

He wants efficiency—speed, power, endurance—but more than that, he wants reliability and absolute safety. These attributes are assured him in the highest degree by the use of ball bearings at all friction bearing points.

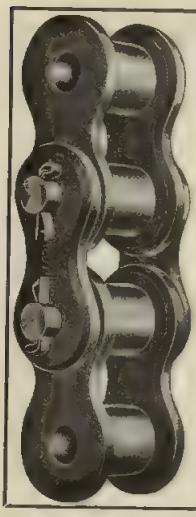
The fact that the General Vehicle Company could save money by using substitutes for ball bearings has had no weight with them in the design of these 100 H. P. Gnome engines. As stated before, the intention has been to produce the very finest piece of mechanism possible to manufacture and to do this it was obviously essential to equip these engines with ball bearings—with U. S. Ball Bearings

And whenever any manufacturer of any machine in which it is necessary to overcome friction selects ball bearings, as anti-friction devices, you may be sure that manufacturer is earnestly endeavoring to produce the highest class product that can be built.

U. S. Ball Bearing Mfg. Co.

[CONRAD PATENT LICENSEE]

PALMER STREET AND KOLMAR AVENUE
CHICAGO ILLINOIS



BALDWIN
Drive Chain

Cotter-pin detachable and riveted, prices the same.

Factory and agents listed below are prepared to furnish drive chains and sprockets from stock in emergency or in quantities for all sizes of standard American cars.

Prompt service, our slogan. Inquire of our nearest agent.

Baldwin Chain & Mfg. Co.
Worcester, Mass.

AGENTS:

C. D. Schmidt, 276 Canal St., New York, N. Y.
N. A. Perry Co., Inc., 1309 Race St., Philadelphia, Pa.
Walter H. Williams, 175 Massachusetts Ave., Boston, Mass.
W. D. Foreman, 1425 Michigan Ave., Chicago, Ill.
M. A. Dyrie, 788 Mission St., San Francisco, Cal.
Motor & Machinists Supply Co., Kansas City, Mo.
M. & M. Co., Cleveland, Ohio
Newstadt Auto & Supply Co., St. Louis, Mo.
C. J. Smith & Co., St. Paul, Minn.
Jos. Woodwell Co., Pittsburgh, Pa.
Frank D. Lyman, Montreal, Toronto, Canada

COMMERCIAL CARS
REQUIRE
STURDY FUEL TANKS

JASCO
SAFETY FIRST
TANKS

are of **proved** efficiency. Made of the highest quality steel, drawn and tested, and absolutely seamless, they give a long reliable life. **Cannot** leak under the most strenuous service—prevent fires and the loss of "gas".

"Jasco equipped" constitutes a selling point that the buyer understands.

Details on request

("Jasco" tanks are equally as popular for pleasure cars)

JANNEY, STEINMETZ & COMPANY
Main Office, Philadelphia
New York Office, Hudson Terminal Building

UNION
2½ Ton $1875
Chassis and Cab Top

Combines quality, strength, simplicity, appearance and power.

NONE BETTER AT ANY PRICE

This truck offers a real opportunity to Dealers

Write us for further information and we will show you a number of features absolutely new in motor truck construction.

UNION MOTOR TRUCK CO.
Bay City, Michigan

"Universal" Home Needs, Electric

Efficiency—Reliability—
Safety—Economy

"Universal" Electric Household Specialties are the products of a long series of scientific experiments. Every article has been subjected to the most rigid competitive tests and will produce a certain result with less current consumption and therefore more economically than any device of like nature on the market.

All of the articles listed can be supplied for the following voltages: 100, 110, 120, 220 and 240. Always specify voltage when ordering.

"UNIVERSAL" ELECTRIC SAD IRONS

The "Universal" Electric Unit is concealed within the Iron. But the Iron is so constructed that the heat generated by the "Universal" Unit is scientifically distributed over the face of the Iron, a greater amount being conducted to the point where, as every woman knows, the most heat is needed, because this is the part of the Iron that cools first. This method of conducting heat to the point desired is absolutely exclusive with the "Universal."

The Snap Switch Plug on "Universal" Irons No. D997 and D999 is one of the biggest selling points to be found on any electric Iron in the market today. By means of this switch the current can be cut off at any time during the ironing, without removing the plug. Simply press the button at the rear of the handle. In this manner all waste current is eliminated.

All electric articles on this page furnished complete with six-foot cord, seven-point contact terminal plug and HUBBELL attachment plug.

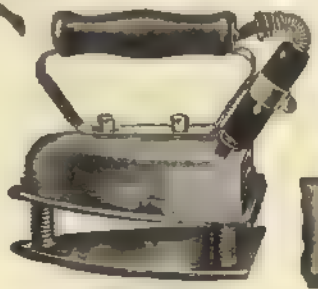
DE LUXE

Universal Electric Iron with snap switch, nickel plated base and hood, ebonized handles. Weight 6 pounds. Complete with reversible heat proof spring stand.

No. **D997** 580 watts, each..**$12.85**

Same as above without snap switch.

No. **D998** 580 watts, each..**$11.45**



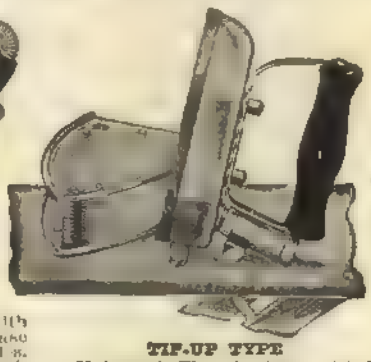
NEW MODEL

Universal Electric Iron with snap switch, nickel plated base and hood, ebonized handles. Weight 6 pounds. Complete with reversible heat proof spring stand.

No. **D999** 580 watts, each..**$10.15**

Same as above, without snap switch.

No. **D1000** 580 watts, each..**$8.90**



TIP-UP TYPE

Universal Electric Iron, nickel plated base and hood, ebonized handles. Weight 6 pounds. Complete with reversible heat proof spring and tip-up stand.

No. **D1001** 580 watts, each..**$8.90**

TOURIST STYLE

Universal Electric Iron, nickel plated base and hood, ebonized separable handle. Equipped with reversible heat proof spring stand and waxed bag for traveling. Weight of iron 3 pounds. When inverted it is used for heating cut ribbons, laces, veils etc. and as a steam stove for heating water. Has hole in end for heating a curling iron.

No. **D1002** 350 watts, each....**$10.15**

UNIVERSAL GRAY ELECTRIC HEATING PAD

15x12 Inches

Patented 3 heat regulating fibre switch giving three degrees of temperature, controlled by an automatic safety device to prevent overheating. Temperature can be changed, even in the dark, by a slight pressure of the finger.

Ten foot mercerized silk finish cord and Hubbell attachment plug. Packed individually in cardboard boxes. Weight, packed, 2¾ lbs.

No. **D1003** 55 watts, each..**$16.45**

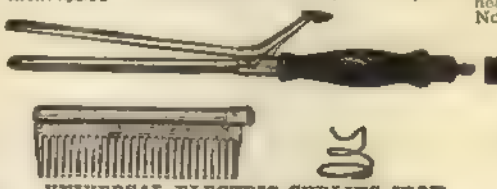
Same as Above, single heat with eight-foot flexible cord and separable attachment plug.

No. **D1004** Each.....**$10.15**

UNIVERSAL ELECTRIC IRON

Nickel plated base and hood, ebonized handle. Complete with reversible heat proof spring stand and six-foot cord and Hubbell attachment plug.

No.	Watts	Weight	Each
D1005	350	3 lbs.	$8.90
D1006	500	4 lbs.	8.90
D1007	580	5 lbs.	8.90



UNIVERSAL ELECTRIC CURLING IRON AND HAIR DRYER

Mahoganized handle, detachable swivel connecting plug prevents binding of the cord, nickel plated tubular iron comb. Equipped with six-foot mercerized silk finish flexible cord. Packed one in a carton.

No. **D1003** 50 watts, diameter 5/16 inch, length 13 inches, weight, packed, 1 lb. each.....**$ 8.90**

No. **D1009** 20 watts, diameter 5/16 inch, length 13 inches, weight, packed, 1¼ lbs., with comb, each.....**10.15**

No. **D1010** 25 watts, diameter 7/16 inch, length 13¼ inches, weight, packed, 1 lb., each.....**8.90**

No. **D1011** 25 watts, diameter 7/16 inch, length 13¾ inches, weight, packed 1¼ lbs., with comb, each.....**10.15**

"UNIVERSAL" ELECTRIC IMMERSION HEATER

Has removable wire rack attached to base which allows Heater to stand upright in glass. Patented plug which can be disconnected with one hand. Complete with six-foot mercerized silk finish flexible cord. Packed individually in cartons. 350 watts. Weight, packed, 1 pound.

No. **D1012** Nickel plated, each.....**$ 8.90**

No. **D1013** Silver plated, each.....**10.15**

"HOLD-HEET" ELECTRIC TOASTER AND UTILITY STOVE

6 Inches Square

Maximum Efficiency with Minimum Current Consumption

Mahogany colored finish, molded complete out of "Hold-Heet" material which holds heat and saves current. It is practically indestructible. Good for any light cooking, heating, toasting, etc. No metal to burn you or to tarnish or rust.

No. **D1014** Each.....**$8.65**

"HOLD-HEET" ELECTRIC HEATING PAD

This pad takes the place of the troublesome hot water bottle, and is always ready on an instant's notice to supply high, medium or low heat, just as required.

It will stay hot all night (all year if you want it to). It weighs practically nothing, and is soft and adjusts itself to any position of the body.

The sensitive double thermostat automatically turns the current on and off, and holds the heat of the pad at exactly the right temperature, making it impossible for the pad ever to become too warm.

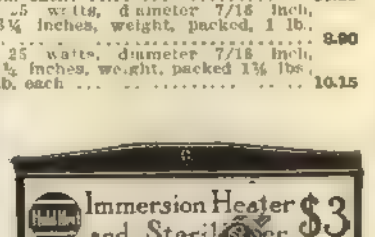
The price of the complete pad, 12x7 inches with ten-foot cord, attachment plug, three heat switch and white washable slip cover padded in leatherette or

No. **D1015** Each.....**$28.15**

Junior Pad

Same as above, size 7x10

No. **D1018** Each.....**$18.35**



"HOLD-HEET" SANITARY ALUMINUM IMMERSION HEATER AND STERILIZER

The quickest and most economical device for heating liquids "in a hurry."

Useful wherever Hot Water is needed.

For sterilizing and boiling.

For heating tea, coffee, milk, hot bouillon.

For travelers, for sick room, the nursery.

For the razor kit of every man who shaves himself.

Weighs Only Two Ounces.

Is 5 inches long and ¾-inch in diameter.

Light and handy as a teaspoon. Powerful in action.

Complete, with leatherette case, cord and plug and separable switch on heater, as illustrated.

No. **D1017** Each.....**$13.00**

THE AEROFAN

Three-in-One

This sensational fan, with its mahogany propeller, combines all in one fan the air circulating possibilities of the ordinary 8, 12, and 15-inch fans.

The gentle breeze of low cools the room of medium ideal for high speed for in direct air circulation. The motor runs well on direct or alternating current. Weight 5 lbs. Fully guaranteed for one year. Complete with 8 feet of cord and plug.

No. **D1018** Each.....**$57.85**

Universal Electric Grills, Stoves, Radiators and Portable Ranges

1863 1917

Designed to meet the demands of the most discriminating buyer. All electric articles listed on this page furnished complete with six-foot cord, seven-point contact terminal plug and Hubbell attachment plug. Prices Each.

"UNIVERSAL" ELECTRIC GRILL

Complete with 6-foot flexible silk finish cord and detachable plug. Broils four pieces meat as large as 6 inches long, surface 7¾x12 inches, depth of frying pan 1¼ inches; boiling pan 2 inches; griddle, ½ inch.

No. **D986** Nickel plated .....each **$12.65**

"UNIVERSAL" ELECTRIC ROUND RADIANT GRILL

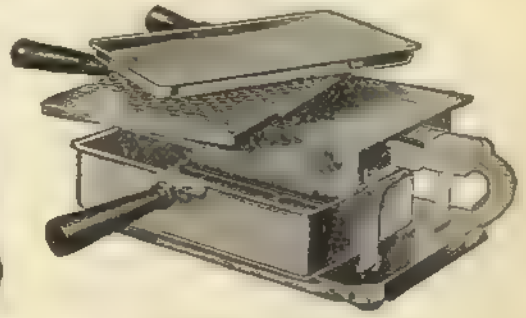
Nickel plated frame, ebonized handles, fibre feet. Diameter of top, 9 inches. Height over all, 6½ inches. 3 pans ¼ in., 1¼ in., and 3 in. in depth.

Four Heats

Both coils hot, 600 watts. Center coil hot, 325 watts. Outside coil hot, 275 watts. Both coils warm, 150 watts.

No. **D987** .....each **$15.20**

6-foot heater cord, twin connector and Hubbell lamp socket plug.



"UNIVERSAL" ELECTRIC COMBINATION GRILL AND TOASTER

Nickel plated frame, ebonized handles, fibre feet, hinged top. Size of surface 8¾x8¾ inches. Size of toaster 9¾x5¼ inches. Depth of boiling pan, 2 inches. Depth of griddle, ½ inch.

No. **D988** .....each **$13.95**

"UNIVERSAL" ELECTRIC DISC STOVE

Ebonized handles and base knobs. Polished six-inch iron disc. Nickel plated frame. Two heats. Fast and slow heat connections.

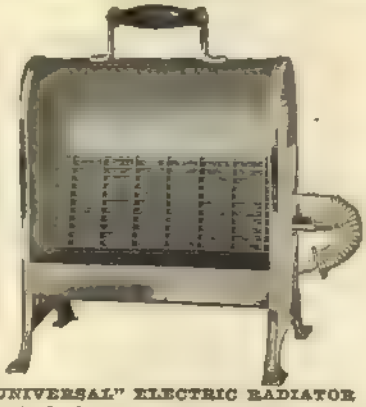
Weight, packed, 5¼ pounds

No. **D989** 550 and 300 watts .....each **$17.75**

Same as above with single heat.

Weight, packed, 5½ pounds

No. **D990** 550 watts .....each **$13.95**



"UNIVERSAL" ELECTRIC RADIATOR

Ebonized handles on top, sides nickel plated, reflector of highly polished copper, body brass, height, 14⅛ inches. Width of body, 10 inches. Complete with 8-foot cord and seven-point contact terminal plug

No. **D991** .....each **$15.20**

"UNIVERSAL" ELECTRIC DISC STOVE

Ebonized handles and base knobs. Polished six-inch iron disc. Nickel plated frame. Two heats. Fast and slow heat connections.

Weight, packed, 6¼ pounds

No. **D992** 550 and 300 watts .....each **$17.75**

Same as above with single heat.

Weight, packed, 6⅛ pounds.

No. **D993** 550 watts .....each **$13.95**

"UNIVERSAL" ELECTRIC PORTABLE SINGLE RANGE

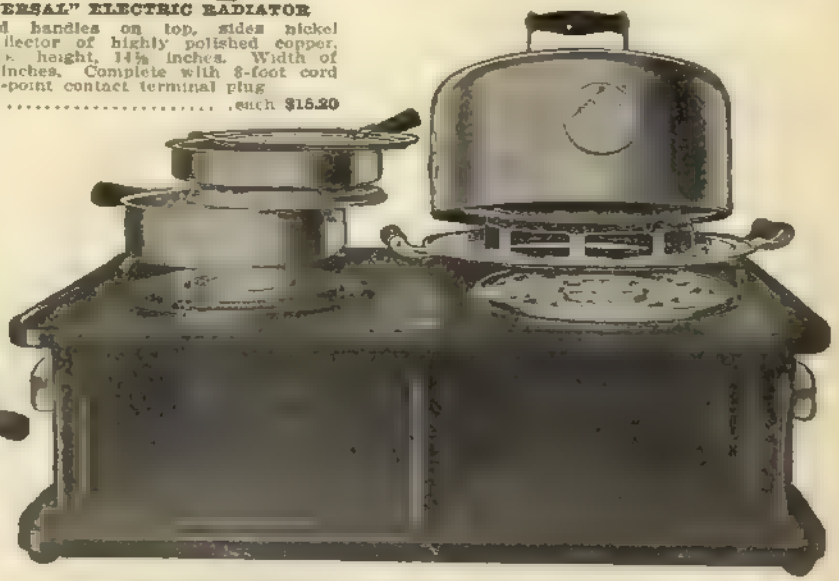
Nickel plated. Ebonized handles. Diameter, 11½ inches. Height over all, 13 inches. Weight, packed, 15 pounds. Broils four pieces, steams stews or bakes. Three grill pans and bake oven.

Four Heats

Can be regulated at will. Both coils hot, 600 watts. Center coil hot, 325 watts. Outside coil hot, 275 watts. Both coils warm, 150 watts.

No. **D994** .....each **$27.85**

No. **D995** Oven as shown above, separately each **12.65**



UNIVERSAL ELECTRIC PORTABLE DOUBLE ELECTRIC RANGE

Especially designed for small apartments, country bungalows, or for use in families of two or four persons.

Can be operated from any lamp socket with wiring so arranged that not more than 300 watts can be used on each stove at one time or the maximum of 600 watts on either stove.

A six-foot heater cord with twin terminal connectors and Hubbell attachment plug is supplied.

Dimensions: Length, 21½ inches; width, 13⅝ inches; height, 15 inches; plate warmer space, 9⅛x10x4½ inches; grill diameter, 7½ inches; disc stove, 6 inches.

An oven, 10½x4½ inches inside, together with 3 grill cooking pans, ¾, 1¼ and 2 inches in depth, complete the cooking equipment.

No. **D996** Double range 600 watts .....each **$45.60**

THE CADILLAC CONVERTIBLE TOURING CAR

THE CHALMERS CONVERTIBLE SEDAN

Royalty Once Rode in a Coach

Royalty and Success now ride in motor cars.

The Master Coach-builders' Craft was for centuries an art. The building of fine motor-car bodies, possessing all the perfection of handiwork of the veteran coach-builder, with modern materials and labor-saving machinery, is one of the great, modern industries handsomely exemplified in

FISHER BODIES

A great army, including royalty and hundreds of thousands of the successful of the world, ride in the Fisher Bodies supplied for many of the best and most popular motor cars—375,000 cars a year.

It was natural, perhaps almost inevitable, that the Fisher Body Corporation preserving the traditions of the old coach-builders' craft, building bodies of beauty, strength and durability, should continue one of the strongest of the coach-builders' ideals as to the proper finish of its bodies. The Fisher people use vast quantities of

Valentine's Varnishes

And other painting materials. Just as *all the finest of the old coaches* were painted and varnished with Valentine's Materials, for all the royalty of Europe, and all the luxury- and refinement-loving people of America.

The garage paint shop which studies successful modern methods will make no mistake if it also follows the lead of the old carriage-builders in the use of Valentine's painting materials. There is economy and there is the satisfaction of beautiful, durable results in their use.

Send for our book, "*Automobile Painting Systems.*"

VALENTINE & COMPANY
Established 1832

Manufacturers of High-grade Varnishes and Colors

456 Fourth Avenue — 343 So. Dearborn St., Chicago
New York — 74 Pearl St., Boston

TRADE VALENTINES VARNISH MARK

THE CADILLAC COUPE

THE BUICK COUPE

YANKEE BENCH

No. 990

For use on Yankee bench drills; or separately, attached to bench. Removable case hardened steel swivel jaw holding taper work. Steel adjusting screw ½ in. diameter. Vise 6 in. long, 2⅝ in. wide, 2 in. high. Jaws open 3 in. without swivel, 2⅝ in. with swivel.

No.	Wt. each	Each
990	4 lbs.	**$2.50**

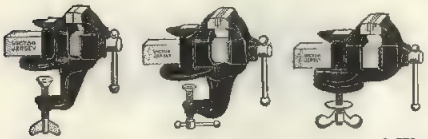
One in a box.

No. 1993

Mounted on a swivel base for use on bench. Easily and firmly locked or released by a short movement of lever. Hardened steel block with V shaped grooves of various sizes for holding round or irregular shapes. Steel adjusting screw ⅝ in. in diameter. Vise 7¼ in. long, 2⅝ in. wide, 3 in high. Jaws open 3⅛ in. Base is 4½ in. in diameter. Height over all 5¾ in. Length over all 8¾ in.

No.	Wt. each	Each
1993	13½ lbs.	**$7.50**

VICTOR JERSEY



NOS. 741 TO 746 NOS. 761 TO 765 NOS. 772 TO 775

The screw (body, head and collar) is turned from one solid piece of cold rolled steel and has a square, lathe cut thread. The steel jaws are hardened and all jaws are ground to meet square and true.

Clamp Base, Plain Iron Jaws

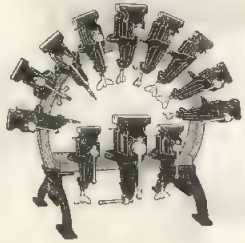
No.	Jaws	Wt. each	Each
741	1½ in.	3 lbs.	**$1.40**
742	1¾ in.	3¼ lbs.	**1.80**
743	2 in.	3½ lbs.	**2.00**
744	2¼ in.	4 lbs.	**2.50**
745	2½ in.	5 lbs.	**3.00**
746	3 in.	8¾ lbs.	**4.00**

Clamp Base, Hardened Tool Steel Jaws

No.	Jaws	Wt. each	Each
761	1½ in.	3 lbs.	**$1.90**
763	2 in.	3½ lbs.	**2.60**
765	2½ in.	5 lbs.	**3.70**

Swivel Base, Hardened Tool Steel Jaws

No.	Jaws	Wt. each	Each
772	1¾ in.	3 lbs.	**$2.50**
773	2 in.	3½ lbs.	**2.90**
775	2½ in.	5½ lbs.	**4.20**



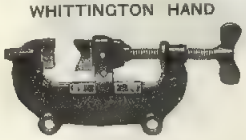
SET NO. 12

12 vises and display stand. Contains two each Nos. 741, 742 and 743; one each 744, 745, 746, 761, 763 and 772.

Set No. 12

Weight	Per set
64 lbs.	**$28.40**

WHITTINGTON HAND



No. 1W

Special steel jaws, brass bushings, brass lined slides, automatic grip, cannot slip or crush the pipe. Convenient for pocket or tool bag. Highest quality and finish. Fully warranted.

No.	Holds pipe	Wt. each	Each
1W	¼ to 1½ in.	4 lbs.	**$3.50**

HAND VISES

No. 140

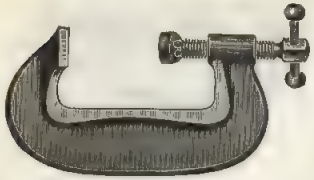
Cast steel, polished jaws.

No.	Length	Width of Jaws	Wt. per Doz.	Per Doz.
140	4 in.	1¾ in.	5 lbs.	**$ 6.00**
	6 in.	1¾ in.	12 lbs.	**10.00**

One-half dozen in box.

CLAMPS

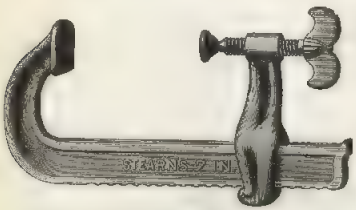
MACHINISTS STEEL CLAMPS



Extra heavy, plaued foot. Button screw hung on ball, back 2½ in. from center of screw.

No.	Opens	Wt. Each	Each
2	3 in.	5¼ lbs	$2.00
4	6 in.	6½ lbs	2.50
8	8 in.	6¾ lbs	3.25
8	12 in.	9½ lbs	4.25

ADJUSTABLE SCREW CLAMPS



Malleable Iron.

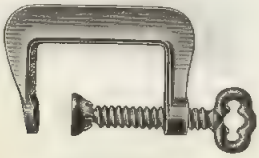
No.	Length	Wt. per Doz.	Per Doz.
68	3 in.	8 lbs.	$ 8.00
	5 in.	14½ lbs	11.00
	7 in.	27 lbs	18.00
	9 in.	30 lbs	21.00
	12 in.	35 lbs	30.00

QUILT FRAME CLAMPS

No. 1—Light

Malleable iron, japanned.

No.	Opens	Wt. per Doz.	Per Doz.
1	2¾ in.	3¼ lbs.	$1.35



No. 32—Heavy

Malleable iron, japanned ball and socket head on screw.

No.	Opens	Wt. per Doz.	Per Doz.
32	1⅞ in.	4¼ lbs.	$2.00

Extra heavy, drop forged from bar steel. Extra heavy tool steel screw, with bevelled point.

No.	Capacity	Depth Center of Screw to Back	Diam. of Screw	Wt. Each	Each
10	1¼ in.	1⅛ in.	7/16	¾ lbs.	$0.75
11	1⅝ in.	1⅛ in.	9/16	1¾ lbs.	1.25
12	2½ in.	1⅞ in.	11/16	3¾ lbs.	1.75
13	3¼ in.	2¼ in.	13/16	6 lbs.	2.50
14	4½ in.	2¾ in.	15/16	10 lbs.	3.25
15	5⅜ in.	3¼ in.	1	13½ lbs.	4.00
16	6½ in.	3½ in.	1⅛	19 lbs.	5.00

NEVER-BREAK CLAMPS

NEVER-BREAK

Spring steel bar, tool steel dog. Special thread on screw and head stock. Bar ¼x1¼ in., screw ⅝ in.

No.	Opens	Wt. per pair	Per pair
56	3 ft.	20 lbs.	$8.00
68	4 ft.	22 lbs.	9.00
60	5 ft.	24 lbs.	10.00
92	6 ft.	26 lbs.	11.00

Loose.

CARRIAGE MAKERS' CLAMPS

CARRIAGE MAKERS' CLAMPS

Malleable iron, japanned. Ball and socket head on screw. Improved double ribbed frame; extra heavy screw.

Malleable iron, japanned ball and socket button on screw. Improved double ribbed frame. Extra heavy machine cut screw

Opens	Clearance Between Screw and Frame	Wt. per Doz.	Per Doz.
2½ in.	1⅝ in.	8½ lbs	$ 3.00
3 in.	1½ in.	11¾ lbs.	3.50
4 in.	2 in.	20 lbs	4.50
5 in.	2¼ in.	29 lbs.	5.50
6 in.	2½ in.	34 lbs.	7.00
7 in.	2⅝ in.	36 lbs.	8.50
8 in.	2¾ in.	43 lbs.	11.00
10 in.	3 in.	72 lbs	15.00
12 in.	3½ in	114 lbs	17.00

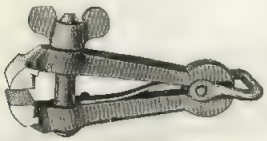
HAND VISES—BENCH VISES

No. 140

Cast steel, polished jaws.

No.	Length	Width of jaws	Wt. per doz.	Per doz.
140	4 in.	1¼ in.	5 lbs.	$ 6.00
	6 in.	1¾ in.	12 lbs.	10.00

One-half dozen in a box.



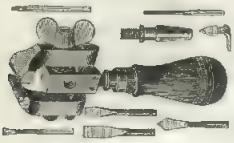
No. 145

Extra quality cast steel, polished jaws. Extra heavy, with loop.

No.	Length	Width of jaws	Wt. per doz.	Per doz.
146	5½ in.	1⅝ in.	20 lbs.	$27.00

One-fourth dozen in a box.

ALFORD



No. 1

Steel screws and cross bars, cocobolo handle. Containing tools as shown. 1¼ in. steel jaws, opens 1 in. Length 6¾ in.

No.	Wt. each	Each
1	1 lb.	$3.50

One in a box

DIKEMAN

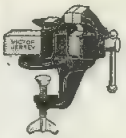
No. 40

Cast steel, polished jaws, hardwood handle, 1⅝ in. Jaws opens ⅝ in. Length 6 in.

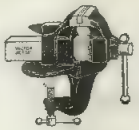
No.	Wt. per doz.	Per doz.
40	9 lbs.	$12.00

One-half dozen in a box

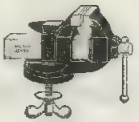
VICTOR JERSEY



NOS. 741 TO 746



NOS. 761 TO 765



NOS. 772 TO 775

The screw (body, head and collar) is turned from one solid piece of cold rolled steel and has a square, lathe cut thread. The steel jaws are hardened and all jaws are ground to meet square and true.

Clamp Base, Plain Iron Jaws

No.	Jaws	Wt. each	Each
741	1½ in.	3 lbs.	$1.40
742	1¾ in.	3¼ lbs.	1.80
743	2 in.	3½ lbs.	2.00
744	2¼ in.	4 lbs.	2.50
745	2½ in.	5 lbs.	3.00
746	3 in.	8¾ lbs.	4.00

Clamp Base, Hardened Tool Steel Jaws

No.	Jaws	Wt. each	Each
761	1½ in.	3 lbs.	$1.90
763	2 in.	3½ lbs.	2.60
765	2½ in.	5 lbs.	3.70

Swivel Base, Hardened Tool Steel Jaws

No.	Jaws	Wt. each	Each
772	1⅝ in.	3 lbs.	$2.50
773	2 in.	3½ lbs.	2.90
775	2½ in.	5½ lbs.	4.20

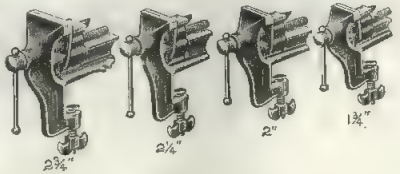
SET NO. 12

12 vises and display stand. Contains two each Nos. 741, 742 and 743; one each 744, 745, 746, 761, 763 and 772.

Set No. 12

Weight	Per set
64 lbs.	$28.40

STEARNS IMPROVED CLAMP VISES



NOS. 10 TO 14

Sliding jaw, operated by steel screw, which has deep square cut thread. Jaws ground and polished. Vise finished in black japanned, baked on.

No.	Jaws	Wt. per doz.	Per doz.
10	1½ in.	15 lbs.	$ 7.50
11	1¾ in.	18 lbs.	10.00
12	2 in.	21 lbs.	13.00
13	2¼ in.	33 lbs.	17.00
14	2¾ in.	54 lbs.	33.00

G.W. HUNTLEY © CHICAGO

Fine Footballs and Supplies

1863 1917

The Victor Official Intercollegiate Foot Ball. Made from very best English grain pebbled foot ball leather, imported by us direct. Absolutely official in weight and size and positively correct in shape. All possible stretch is removed from leather by our own special machinery, and balls are sewed on lock-stitch machine with heavy waxed linen thread. Made with our famous Victor patent inside lace to protect the bladder and make the outside perfectly smooth. The world's record for drop kicking was made with a ball of our No. 285 balls.

Packed in sealed box, fitted with rawhide thong lacing, polished nickel pump and lacing needle. Has very best quality extra weight pure gum bladder.

Victor foot balls have been used and commended by such leading colleges as Pennsylvania, Chicago, Northwestern, Wisconsin, Minnesota, Illinois, Lafayette, Purdue, Le and Stanford California, Carlisle, West Point, Annapolis, Columbia De Pauw, Armour, Otterbein, Arkansas, Washington.

No. 385A Each $13.00

Same as above

No. RA400 American grain leather.....each $8.70

Special high grade American grain leather. Regulation size and carefully shaped. Strengthened with canvas lining and waxed linen stitching. Equipped with best quality genuine pure gum bladder and rawhide lacing.

No. R300 Each $7.60

Selected new dressed cowhide in special pebbled finish. Made full regulation size and accurately shaped. Has strong cloth lining and is sewed with heavy linen thread. Fitted with pure gum bladder in 4-piece style.

All foot balls carefully inspected and all bladders fully tested before shipping. Packed in individual sealed cartons.

No. R300 Each $4.80

India pebbled grain leather. Regulation size and shape. Strongly sewed; has cloth lining and pure rubber 2-piece bladder.

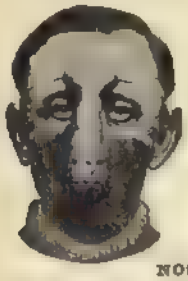
No. R125 Each $2.80

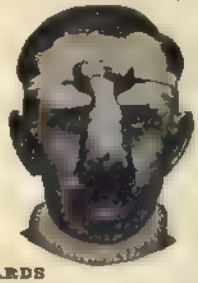
Standard No. 4 size. Selected brown leather with pure gum bladder.

No. RA100 Each $2.45

Miniature size with leather casing and strong rubber bladder.

No. R50 Each $1.35





NOSE GUARDS

Made special Victor style from finest rubber with extra protecting pieces for the cheek bones. Light, strong and well ventilated.

No. NG100 Each...$3.60

Made from best rubber in original Morrill style. Similar to No. NG100, but without the cheek pieces.

No. NG50 Each...$1.35

The new featherweight style. Cool and comfortable without sacrificing any degree of safety and protection. Made from best tan belt leather with ventilated crown effect. Top and ear tabs are chamois lined. Helmet is carefully shaped and has adjustable chin strap.

No. H300 Each..... $9.75

Special Victor round crown style from selected green tan leather with ventilated top. Well padded throughout, light and cool, has adjustable chin band.

No. H200 Each $5.00

Regulation helmet from selected black tan leather. Lined with high grade felt and properly ventilated. Has adjustable chin band carefully shaped; moulded ear pieces and deep cut crown.

No. H150 Each..... $3.70

Special round cap with deep crown from selected brown tan leather. Has adjustable chin strap and ear pieces. Is well padded throughout and ventilated.

No. H100 Each $2.80

Heavy drab moleskin in boys' popular round full crown style. Heavy felt padding, adjustable chin strap and well fitting ear pieces.

No. H75 Each $1.80

THE VICTOR FOOT BALL PANTS

Tan drill in boys' sizes only with 30 waist or under. Full quilt padding.

No. P75 Per pair..... $1.80

Tan drill with full quilt padding and laced front. Regular standard sizes.

No. P100 Per pair..... [redacted]

Best tan drill with lace fly, cane thighs and regular padded hips and knees.

No. P150 Per pair..... $3.60

Brown khaki with cane thigh, padded hips and knees, lace fly and worked eyelets.

No. P200 Per pair..... $4.55

Strong selected tan khaki with lace fly and well padded knees. Has fibre full fashioned thigh pads, together with thick gray felt kidney and hip pads and our special strap and buckle belt.

No. P250 Per pair..... $5.65

Best tan khaki in lace front style with strap and buckle fastening. Has the carefully shaped fibre thigh pads with thick white felt kidney and hip pads. Properly ventilated at hips and well protected at knees.

No. P300 Per pair. $6.75

Rifled style, good weight worsted in staple colors or wide stripe at cap without extra charge if desired. Footless or with feet.

No. AH100 Per pair $2.70

Wool yarn; stock colors, navy, black, royal blue, scarlet and crimson. Striping free in following combinations. Navy with white, calf black with white calf, crimson with white calf, white with navy calf. Footless or with feet.

No. AH75 Per pair . $1.80

Extra heavy ribbed cotton hose. Full foot style only. Stock colors, navy, maroon or black. Striping free in following combinations. Navy with white calf, crimson with white calf, black with white calf.

No. AH50 Per pair,...$1.30

FOOT BALL SHOES

Special heavy kangaroo calf with rock oak cleats in Yale style. Soft leather toe. Padded ankles and rawhide lacing. Made of genuine Goodyear welt.

No. BS500 Per pair $14.10

Made from genuine kangaroo calf on favorite sprinter last. Has Victor box toe, padded ankles and Yale style cleats.

No. BS400 Per pair..$11.50

Best kangaroo oil grain calfskin, special heavy box toe and Victor ankle guards. A strong shoe with Yale cleats.

No. BS350 Per pair..$9.75

BASE BALL SHOES

Special kangaroo finish with high grade oak soles. Made on popular last and fitted with high quality drop forge spikes and steel plate insert.

No. BBS400 Per pair $10.85

Good quality strong black leather on standard base ball last. Well made and fitted with drop forge spikes. A serviceable shoe in all respects.

No. BBS300 Per pair..$7.15

SPRINTING SHOES

Finest kangaroo with elastic goring arch and no lacing to break or untie. Has special flexible leather sole with stretch back. Has English steel spikes, heavy steel heel and guaranteed throughout. A light, perfect fitting shoe.

No. TS500 Per pair $13.00

Special fine black calfskin with guaranteed elastic goring arch and best English steel spikes. A light, perfect fitting shoe. Also adapted for jumping.

No. TS400 Per pair $10.85

[redacted] SHOES

Australian kangaroo with imported elkskin soles. The strongest, lightest shoe made for gymnasium, bowling and sparring.

No. GS400 Per pair $10.85

Like GS400 except low cut. These two styles are unbeatable values.

No. GS350 Per pair..$9.75

A high cut shoe from special mat calf leather with hand buffed electric soles. Genuine Goodyear welt.

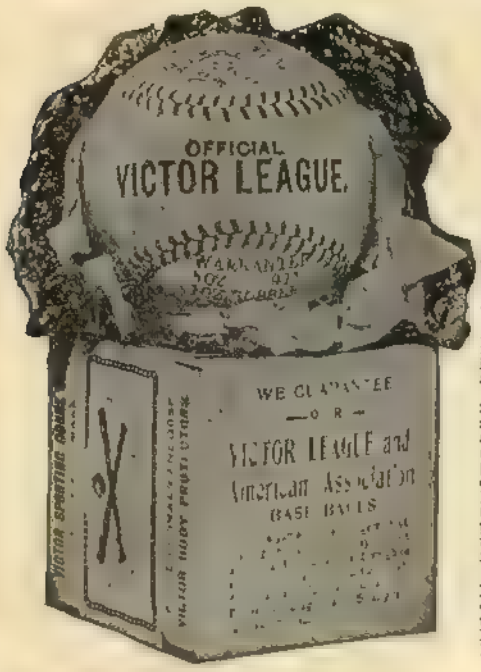
No. GS300 Per pair..$7.80

Low cut with black calf uppers and roughened flexible hand turned soles.

No. GS200 Per pair..$5.20

Baseballs and Tennis Supplies

Every Article Guaranteed to Give Perfect Satisfaction. Any article sh ing defect in material or construction will be replaced without charge.



Official Victor League

No. 91 Each ... $3.35

The Official Victor League Ball No. 91 is constructed throughout from the very best materials and displays the finest grade of skilled workmanship. Our centers and yarns are made to our special order and the covers are from selected horsehide which is tanned solely for us under our personal direction. Strongly and handsomely stitched and attractively boxed and labeled. All balls packed in tinfoil and delivered sealed. Positively official for use in any game played under the national agreement rules.

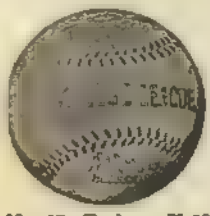
The Victor League Ball No. 91 has been officially adopted and used by many of the leading professional leagues

No. 59A Per doz $1.60
Victor Champion. Extra size ball, carefully made and stitched. Firm center and Beva waterproof cover. One dozen in a box.

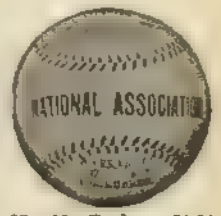
No. 58S Per doz $2.85
Victor Boys' Favorite. Small size with careful stitching, lively center, Beva waterproof cover. Individual sealed box.

No. 51 Each... $0.55
Victor Junior League, standard junior size. Rubber center, selected horsehide cover and high grade stitching.

No. 50 Each.. $1.10
Victor High School League. Regulation size and weight. Carefully constructed and has horsehide cover and rubber center



No. 87 Each....$1.65
Victor College League. Made with rubber center and wool yarn winding. Has selected horsehide cover and is perfectly sewed.



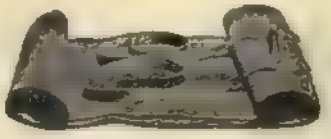
No. 88 Each ...$2.20
Victor National Association, regulation in size and weight, and fully guaranteed. Horsehide cover, rubber center, all wool yarn.

No CB350 Per set $9.75
Good weight canvas, well stuffed. Complete with spokes and spring seats.
No CB100 Per set $2.60
Cases only. To be stuffed with grass or sand.

BAT BAGS

No. BB500	(For 18 bats).	Each....	$13.00
No. BB400	(For 12 bats)	Each....	9.75
No. BB300	(For 6 bats)	Each....	6.95

These three sizes are made from strong waterproof duck with leather ends and leather handles. They differ only in size.



UNIFORM ROLLS

No UR100 Each ... $2.60
Special brown khaki.

No. UR300 Each 7.90
Heavy tan canvas.

Made for carrying uniforms without wrinkling. Size when closed, 20x9". Have catch fastenings. Are convenient and durable.

No. Each
TR125 . $3.45

VICTOR CHALLENGE

Genuine ash frame in small size and favorite shape. Oriental gut.

CHEAP RACKETS

No.	Each
TR100	$2.60
TR75	1.95

No. Each
TR200 . $4.55

VICTOR VANTAGE

Genuine ash frame with mahogany wedge at throat. High grade oriental gut. Has leather butt and corded cedar handle.

No. Each
TR300 . . $6.50

VICTOR COMET

White ash frame popular model. Has mahogany wedge, strong American gut with extra center stringing.

No. Each
TR350 . . $7.60

VICTOR OXFORD

English model with beveled edge ash frame. Strung with selected American gut, and has double strings in center.

No Each
TR500 . $10.85

VICTOR TOURNAMENT

White ash with beveled edge and double strung. Black walnut wedge with depressed dogwood insertion. Vellum bound.

No. Each
TR400 . $8.65

VICTOR COLLEGIATE

Bevel frame from choice white ash with dogwood insertion and black walnut wedge. Strung with strong American gut.

No Each
TR600 $13.00

VICTOR VARSITY

Selected white ash frame with beveled edge. Insertions in bow and strung with finest American gut in double center style.

RACKET CASES

No. RC25	Special strong drill	each $0.65
No. RC50	Selected soft felt	each 1.35
No. RCA100	Mackintosh	each 2.35
No. RC100	Best tan covert cloth with pocket	each 2.45
No. RC150	Best quality	each 3.50

THE VICTOR CHAMPIONSHIP TENNIS BALL

The Victor Championship Tennis Ball has received the endorsement of the National Lawn Tennis Association and represents the best possible value obtainable from best quality centers, highest grade covering and expert workmanship. Victor Tennis Balls are kept fresh and reach the courts lively and resilient.

No. 250	Per dozen	$14.10
No. 2	Per dozen	8.65
No. 3	Per dozen	7.50

TENNIS NETS

No. TN100	27 feet, 12 thread	each $2.45
No. TN200	36 feet, 15 thread	each 3.90
No. TN225	42 feet, 15 thread	each 4.35
No. TN250	36 feet, 15 thread, canvas bound	each 5.20
No. TN300	43 feet, 15 thread, canvas bound	each 6.10
No. TN400	36 feet, 21 thread, canvas bound, handmade	each 8.65
No. TN450	42 feet, 21 thread, canvas bound, handmade	each 9.75
No. TNA300	Back stop net, 50x7 feet, 9 thread	each 7.60

MARKING TAPES

No. MT500	Double court	per set $11.95
No. MT350	Single court	per set 9.75
	Extra staples $1.30 per 100	

MARKERS

No. DCM150	Dry court marker	each $2.90

CENTER IRONS AND STRAPS

No. CS100	Strong web strap, regulation height	each $2.85
No. CS150	Strong web strap, regulation height, with adjustable turnbuckle	each 3.80

VIKING SPARK PLUGS

½ in. Pipe Thread—Regular.
½ in. Pipe Thread Long.
½ in. Pipe Thread—Ford Special.
½ in. Pipe Thread—Overland Special.
½ in. Pipe Thread—Metz.
⅞ in.—18 (Sae) Regular.
⅞ in. Pipe Thread Regular.
⅞ in. -18 (Sae) Extra Long.
⅞ in.—18 (Sae) Buick Special.
⅞ in.—18 Buick, Model 1916.
18 M. M. Metric.
½ in.—Overland, Model 1916.

No. 48 Assortment.

The heavy insulator and the center electrode are hermetically fused together, making them one solid unit, thus overcoming loss of compression through leakage and loss of adjustment through parts jarring loose Viking Spark Plugs are absolutely guaranteed to wear as long as the machine lasts. Guarantee tag accompanies each plug.

	Each
Porcelain—(any size)	$1.00
Mica—(any size)	1.25

Twelve weigh about 5 lbs.

No. 40 ASSORTMENT

Following porcelain plugs in counter display case:

6—½ Regular
6—½ 1915 Overland Special
9—⅞ Regular
6—⅞ SAE Buick Special
6—½ 1916 Overland Special
12—½ Ford Special
3—⅞ SAE Regular

No.	Per Assortment
48 Assortment	$48.00

Weight 22 lbs

RED HEAD SPARK PLUGS

⅞-1½" Extension Buick.

½" Ford, Overland, Reo, Maxwell Studebaker,

½" Standard.

⅞-18 S. A. E.

Porcelain Forms.

No. 50 Assortment.

The porcelain is guaranteed not to crack from the heat of the motor. The use of permanent gaskets insures gas-tight plugs that will sustain compression and permit the motor to develop its maximum power The center electrode and firing point are made from nirkel manganese alloy, which will stand greater heat than can be produced in motors, thus eliminating a common spark plug trouble—points burning off.

	Each
Red Head Plugs	$0.75
Porcelain Forms	.15

No. 50 ASSORTMENT

Consists of the following plugs:

5—½" Standard
5—½ Priming Plugs
5—⅞-18 Standard
⅞-18 Big Boy
3— Motorcycle Metric Mica
5—½-½ Extension
5—½ Big Boy
⅞-18—½" Extension
3—Motorcycle Metric Porcelain

No.	Per Assortment
50 Assortment	$48.80

Weight 22 lbs.

A. C.—TITAN AND CICO SPARK PLUGS

Reg ½ in.

Studebaker, Overland and all cars using ½ in. Standard plugs.

For Ford Cars

Extra long porcelain, great length of insulation to withstand oil and carbon.

Long ½ in.

1916 Reo Cars and Trucks; Overland, 1914.

Dodge Special

Slightly longer than Reg. ⅞ in. Made especially for Dodge.

SAE or ALAM

Standard ⅞-18 thread with small body Regular equipment on all Saxon Cars.

Reg. ⅞ in.

Reg. equipment on Detroiter, Dort, Federal Truck, Hudson, Hupp, Lambert, Liberty, Patterson, Paige, Pilot, Bour-Davis.

Long ⅞ in.

Reg. equipment on Chevrolet 490, Monroe. Recommended for Harley-Davidson.

Reg. ½ in.

Recommended for all cars using reg. ½-inch size Particularly for Cadillac to 1913, Mitchell, Overland Four '15-'16, Oakland to 1913, Rambler to 1913, Regal, Studebaker.

Reg. ⅞ in.

Regular equipment on Buick (4 cyl. 35), Cole, Cadillac, Chalmers, Davis, Gramm, Glide, G. M. C., Jeffery, Jordan, Kissel Kar, Empire, Olds, Oakland 8, Packard Twin 6, Peerless, Pierce-Arrow, Stutz, Velie, Westcott.

Long ⅞ in.

One of the largest sellers; regular equipment on Buick, Chalmers Model 32, Chevrolet, Enger 12 cyl., McLaughlin Can.

SAE Regular or ALAM.

Standard ⅞ in., 18 thread small body ⅞ hex Regular equipment on Apperson 6, Haynes, Daniels, Stearns-Knight, Marmon, Murray

Long SAE or ALAM.

Same characteristics as Reg. S. A. E., but has longer shell for motors requiring extension plug. Reg. equipment on Oakland Model 32, Apperson 8, Mercer, Premier.

Stand. AC.

⅞ in. equipment on Chase Trucks, Lexington - Howard, McFarlan, Wilcox Trucks, Locomobile.

AC Titan and Cico plugs are made according to a special process which keeps them gas-tight at all motor temperatures. They have been adopted by many of the leading manufacturers, and are particularly adapted to the modern high speed motor.

Cico Spark Plugs $0.75
Packed 6 in carton—Weight 1¾ lbs.
Packed 12 in carton—Weight 3¼ lbs.

Titan Spark Plugs 1.00
Packed 6 in carton—Weight 2 lbs.
Packed 12 in carton—Weight 3¾ lbs.

A-C Spark Plugs 1.00
Packed 12 in carton—Weight 3 lbs.

Long ⅞.

Designed for 1908 Buick; reg. equipment on all Buick cars up to 1914. Very large seller.

Violins

All of our Violins are guaranteed to be exactly as represented and will give the best of satisfaction.

Prices Quoted Do Not Include Bows.

GERMAN.

No.		Each
122	German, maple back and sides, spruce top, amber color, pearl flower, inlaid tailpiece	$ 8.30
132	Fine shaded back, good model and finish	7.50
142	Red color, shaded, good model and finish, inlaid edges	10.80
163	German, flamed maple back, spruce top, amber color, slightly shaded	9.55
704	Reddish brown color, shaded, highly polished, ebony fingerboard and tailpiece	12.10
742	Brown and amber color, shaded, highly polished, ebony fingerboard and tailpiece	12.10
392	Saxzard model, dark red color, flat model pegs, pearl shield in tailpiece, inlaid edges	10.40
412	Kohler model, handsome red color, shaded, highly polished	12.50
3902	Amber color, shaded, good model and finish, ebony fingerboard, etc.	13.35
3921	Light red color, shaded, highly polished, ebony fingerboard, etc.	19.65
4002	Reddish brown color, shaded, flat model, ebony pegs, polished ebony fingerboard, ebony tailpiece	20.30
3942	Light brown amber color, shaded, highly polished, full ebony trimmed	20.90
3962	Dark brown color, highly polished, deep edges, fine model, full ebony trimmed	20.90
3972	Light brown, slightly shaded, highly polished, full ebony trimmed, modern flat model pegs	23 45
2002	Dark amber color, high finish, ebony fingerboard and tailpiece	25.65
4152	Red brown varnish, slightly shaded, nicely flamed back, sides and neck, full ebony trimmed	34.67
4182	Jacobus Stainer model, chestnut brown varnish, not shaded, flamed maple back, sides and neck, fine spruce top, highly polished rosewood pegs and end pin, polished ebony tailpiece with bone saddle	48.05
3122	Gasper Da Salo model, full medium red color, high polish finish, grand model, double row purfling, scrolls at back full ebony trimmed	62.90
4612	Bergonzi model, golden red brown translucent varnish, highly flamed nicely matched maple back and sides, fine grain spruce top, French flat model, dull finish pegs, ebony fingerboard and tailpiece	67.10
8102	Bergonzi model, [illegible] imitation of genuine Italian, rich golden [illegible] very transparent slight shading, highly polished, beautifully flamed back and sides, French model ebony tailpiece and dull finish pegs, ebony fingerboard	83.40
9192	Sanctus Seraphino model, reddish brown varnish, finely flamed maple, one piece back, sides and neck to match, fine grained mountain spruce top, highly polished flat model, dull finish [illegible] ebony tail-piece with gilt lyre ornament, ebony fingerboard, rosewood end pin [illegible]	88.25
9062	Francois Guillaume, Amati model, dark orange color varnish highly polished [illegible] and neck with gilt ornaments	85.10
30502	Stradivarius model, dark brown amber oil varnished, slight [illegible] two-piece [illegible] beautifully [illegible] well seasoned maple, with [illegible] all trimmings are ebony	$ 54.80
30522	Stradivarius model dark amber, oil varnish, highly finished, light edges, richly flamed two-piece old maple back [illegible] to match, neat scroll, fine grained spruce top [illegible]	68.25
30512	Stradivarius model [illegible] varnish [illegible] polished back of old flamed maple two piece [illegible] old mountain spruce, full flamed neck, highly polished [illegible] carved tailpiece	85.30
30562	Stradivarius model, oil varnished of medium amber shade, old curly [illegible] highly flamed old stock maple back and [illegible], carved tailpiece. The tone combines sweetness, strength and far-carrying qualities. In fact, is much superior to the average violin of this price	93.50
30582	Guarnerius model, reddish amber, oil varnished beautifully figured old burl maple back in one piece, clean cut scroll, old Hungarian spruce top neatly carved tailpiece and pegs [illegible] ebony, [illegible] of instrument, value all [illegible] Madagascar ebony	135.80
30602	Stradivarius model, dark red amber, oil varnished, high polish finish, back and sides of prominently flamed maple [illegible] old stock, handsomely carved tailpiece, trimmings throughout of fine Madagascar ebony. The tone quality embodies sweetness, clearness, strength	180.40

THREE-QUARTER SIZE.

722¾	German, amber color, French flat model, ebony pegs, fingerboard and tailpiece	13.55
812¾	Light brown color, shaded, good model and finish, ebony fingerboard and tailpiece	18.05
3023¼	Mittenwald, dark brown color, good model and finish, plain trimmings	16.30
8021¼	Mittenwald, dark brown color, fine model and finish	19 25
3124¼	Stradivarius model, dark amber color, not shaded, ebony fingerboard, etc.	27.35
4223¾	Red color, good model and finish, ebony fingerboard and tailpiece	20.50
4923¾	Brown shaded, fine model ebony fingerboard and tailpiece	28.80
6223¾	Stradivarius model, medium red color, shaded, highly polished [illegible] ebony fingerboard and tailpiece	31.20
3423¾	Mittenwald, medium brown color, fine model and [illegible] ebony fingerboard and tailpiece	35.65
9523¾	Amati model, brown amber color, highly polished full ebony trimmed	48.30
3013¾	Johann Ferd Pfretzschner, light amber varnish finish, flamed back and sides, full ebony trimmed	57.75
3023¾	Johann Ferd Pfretzscher, Amati model high amber varnish finish, flamed back and sides, ebony trimmed rosewood pegs	76.70

HALF SIZE.

No.		Each
132½	German, amber color, maple back and sides, spruce top, pearl flower inlaid tailpiece	$ 9.15
722½	German amber color, French flat model, ebony pegs, ebony [illegible] and tailpiece	13.55
812½	Light brown color, shaded, good model and finish, ebony fingerboard and tailpiece	18.05
302½	Mittenwald dark brown color, good model and finish	15.70
802½	Mittenwald, dark brown color, fine model and finish	17.35
492½	Brown shaded, fine model, ebony fingerboard and tailpiece	24.70
522½	Stradivarius model, amber color, shaded, highly polished [illegible]	27.65
242½	Mittenwald, Stradivarius model amber medium brown color, fine model and tone, full ebony trimmed	32.50
952½	Amati model brown amber color, highly polished, full ebony trimmed	48.30

Violin Outfits

Each of the following outfits we believe contains the best it is possible for any house to furnish at the price. We could furnish cheaper outfits but they are unreliable and we prefer not to handle them.

VIOLIN OUTFIT J322.

The Violin we furnish in this outfit is a Stradivarius model, finished in a medium brown color and highly polished. The black trimmings are of ebonite [illegible] are the [illegible] and are also [illegible] correct. It has an even smooth and [illegible] tone and is a good instrument [illegible] at a low price. We will [illegible] with ebony frog, [illegible] pearl slide, [illegible] set of strings, rosin and instruction book. Shipped carefully boxed.
Price, complete outfit **$20.30**

VIOLIN OUTFIT J342.

A Violin of real musical merit. It is a full red color and highly polished. Has wide edges and genuine ebony finger rod and tailpiece. The tone is rich, clear and pleasing, and will improve with age. In this outfit we include a Brazil wood bow with leather grip, ebony frog, pearl slide and eye and German silver button, a black varnished wood case with handle and hooks, one set of superfine quality strings, rosin and instruction book. This is a good outfit at a reasonable price and is sure to please. Carefully boxed
Price, complete outfit **$29.50**

VIOLIN OUTFIT J362.

In this outfit we furnish a genuine Maggini Model Violin of excellent quality and fine tone. This Violin is a light red color very highly polished, with a double row of inlaying and with ebony fingerboard and tailpiece. The top is of very carefully selected old spruce. An instrument of this quality usually sells alone at far more than we ask for the entire outfit. The bow is Brazil wood octagon stick, ebony frog with pearl inlaid eye and slide, German silver lined and German silver button. We also include a black varnished wood case, half lined with flannel with [illegible] locks and [illegible] one set of superfine quality strings, cake of rosin and instruction book. A fine outfit for a low price.
Price, complete outfit **$29.75**

VIOLIN OUTFIT J382.

A fine conservatory Stradivarius Model Violin beautifully finished in a reddish brown color and highly polished. The top is of fine straight grained old spruce and [illegible] selected. [illegible] of [illegible] instrument is strong, yet possessing a sweetness and smoothness that is remarkable in a [illegible] and a fine tone. The bow is [illegible] wood with ebony frog, pearl inlaid eye and pearl slide, German silver lined German silver button and leather grip. The wood case is [illegible] shape varnished [illegible] for [illegible] lined with [illegible] handle and spring clasps as shown in illustration above. We also furnish one set extra quality strings, cake of rosin and instruction book. A very fine outfit, carefully boxed for shipment.
Price, complete outfit **$32.30**

½ or ¾ size Violins in any of the above outfits at the same price.

G.W. HUNTLEY CHICAGO

1863 1917

Violoncellos

Prices Quoted do Not Include Bows

With Peg Heads

No.		Each
122	Reddish brown color, good quality	$43.40
142	Reddish brown color, better quality	45.30
312	Light red color, good quality, inlaid edges	58.75
322	Reddish brown color, good quality, polished ebony finger-board	62.95
	THREE-QUARTER SIZE.	
202	Three-quarter size, reddish brown color, polished, inlaid edges, superior quality	60.20
222	Genuine Mittenwald, Stradivarius model, medium brown color, ebony pegs and tailpiece, excellent workmanship	79.80
No.	**ONE-HALF SIZE.**	Each
212	Genuine Mittenwald Stradivarius model, medium brown color, ebony pegs and tailpiece, excellent workmanship	$79.80

With Patent Heads

No.		Each
2012	Reddish brown color, fair quality	$50.30
2032	Medium brown color, polished, good quality	56.00
2152	Reddish brown color, inlaid edges, better quality, brass plates	80.20
2402	Dark brown color, fine quality, inlaid edges, ebony finger-board, brass plates	99.90
2592	Dark brown color, inlaid edges, superior quality, brass plates	78.30
3002	Genuine Mittenwald Stradivarius model, red-brown color, fine quality, brass plates, adjustable brass end pin	105.00
2652	Stradivarius model, medium red color, highly polished, ebony trimmed, brass patent heads	158.70

Double Bass Viols

Double Bass with Patent Heads

Prices Quoted Include Bows

No.		Each
	ONE-QUARTER SIZE.	
582	4 strings, dark red, shaded, polished, good quality	$111.10
	HALF SIZES.	
602	3 strings, dark red, shaded, polished, good quality	$109.20
612	4 strings, dark red, shaded, polished, good quality	113.80
712	4 strings, dark red, shaded, polished, better quality, with ebony fingerboard	134.45
652	4 strings, dark red, shaded, polished, inlaid edges, swelled back, brass patent heads, fine quality	161.60
No.	**THREE-QUARTER SIZES.**	Each
622	3 strings, dark red, shaded, polished, good quality	$118.65
632	4 strings, dark red, shaded, polished, good quality	125.00
732	4 strings, dark red, shaded, polished, better quality, with ebony fingerboard	145.45
672	4 strings, dark red, shaded, polished, inlaid edges, reinforced sides, fine quality	155.90
742	4 strings, dark red, shaded, polished, inlaid edges, fine quality, with ebony fingerboard	155.05
692	4 strings, dark red, shaded, polished, inlaid edges, swelled back, brass patent heads, fine quality	176.10
752	4 strings, dark brown color, swelled back, ebony fingerboard and tailpiece, extra fine quality, brass patent head. For artists	357.05
No.	**Full (4-4) Size.**	Each
782	4 strings, dark brown amber, shaded, inlaid edges, swelled back, reinforced sides, brass patent heads. Excellent quality. Best ebony fingerboard	$425.85

WE DO NOT WARRANT DOUBLE BASSES AGAINST CHECKING OR WARPING.

Violin Bows

No.		Each
2552	Maple, red painted, black frog, bone button	$1.40
2582	Maple, imitation snakewood, ebony frog, inlaid dot, bone slide and button	2.00
2592	Maple, black finished, bone frog, inlaid eye, bone slide and button	2.30
2852	Maple, imitation snakewood, ebony frog, inlaid dot, pearl slide, German silver button	2.35
2632	Brazil wood, natural color, ebony frog, inlaid dot, pearl slide, bone button	3.15
2642	Cherry finish stick, ebony frog, German silver full lined pearl slide, pearl eye, German silver capped button, German silver and pearl bars, silvered grip	3.50
602	Brazil wood, imitation iron wood ebony frog, inlaid dot, pearl slide, German silver capped button	3.35
632	Brazil wood, imitation iron wood, ebony frog, German silver lined, German silver capped button	4.00
292	Brazil wood, octagon stick, ebony frog, pearl inlaid eye, pearl slide, German silver lined, German silver button	5.05
462	Brazil wood, model, Brazil wood, octagon stick, ebony frog, full German silver lined, large pearl eye, German silver and pearl slide, German silver and ebony button, full leather grip with gilt stamped edges	5.50
6802	Rembenji "Brazil wood, dark color, ebony frog double pearl eye, pearl slide full German silver lined, German silver button, leather grip	6.30
332	Brazil wood, imitation snakewood, imitation ivory frog and button, double pearl eye, German silver	5.95
352	Maple, snakewood, ivory frog, double pearl eye, German silver lined, ivory button	10.30
5502	"Wenzel," pernambuco wood, octagon stick, pearl eye, pearl slide, full German silver trimmed, German silver button, leather grip	17.45
7422	Brazil wood, model, pernambuco wood, octagon stick, real silver full mounted ebony frog and button	23.10
5082	"Franz," medium shade pernambuco octagon stick, pure silver lined Madagascar ebony frog, screw button, pure silver and ebony grip of silvered winding and leather	28.60
5102	"Franz," very choice pernambuco round stick, handsome frog of Madagascar ebony with reversible back, fine grip of silvered winding and leather; cap button and metal trimmings, all of pure silver.	40.00
No.	**HALF SIZES.**	Each
1182	Beechwood, cherry finish, ebony frog, pearl slide and eye, German silver and ebony button	$2.30
242	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide German silver button, better quality	3.60
212	"L. Wenzel" Brazil wood, ebony frog, pearl slide, pearl eye, full German silver lined, German silver button	4.15
252	Pernambuco wood, ebony frog, pearl eye, full German silver lined, pearl slide, German silver button	6.30
282	Pernambuco wood, ebony frog, pearl eye, full German silver lined, pearl slide, extra fine quality	9.40
No.	**THREE-QUARTER SIZES.**	Each
1302	Beechwood, cherry finish, ebony frog, pearl slide and eye, German silver and ebony button	$2.30
362	Brazil wood, ebony frog, leather grip, inlaid dot, pearl slide, German silver button, better quality	3.60
312	"L. Wenzel," Brazil wood, ebony frog, pearl slide, pearl eye, full German silver lined, German silver button	4.15
372	Pernambuco wood, ebony frog, full German silver lined, pearl slide German silver button	6.50
382	Pernambuco wood, ebony frog, full German silver lined, pearl slide extra fine quality	10.00

Violoncello Bows

No.		Each
1232	Brazil wood, ebony frog, pearl eye, pearl slide, German silver button	$ 4.15
962	"Guillaume a Paris," pernambuco wood, ebony frog, double pearl eye, full German silver lined, pearl slide, German silver button	10.70
4402	"L. Bausch, Leipzig," pernambuco wood, ebony frog, double pearl eye, full German silver lined, pearl slide, German silver button	18.50
252	Genuine "Leon Bernardel," pernambuco wood, round stick, ebony frog, pearl eye, pearl slide, pure silver trimmed	62.30

Double Bass Bows

No.		Each
	GERMAN MODEL.	
212	Brazil wood, natural color, ebony frog, pearl inlaid eye, pearl slide, "German Model"	$11.20
502	Pernambuco wood, dark color, ebony frog, German silver lined, pearl inlaid eye, pearl slide, German silver button, "German model"	19.60

COMBINATION SETS

WALDEN

No. 4. Ford Special

All steel. Contains ratchet wrench, extension bar, universal joint and eight hexagon sockets from 1/4 to 1 5/16.

No.	Wt. per set	Per set
4	3 1/2 lbs.	$4.80

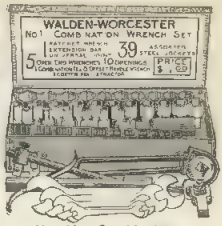
In strong fibre box, 10 3/4 x 2 3/4 x 2 1/2 in.

No. 6. Combination

All steel. Contains 9 in. ratchet wrench, extension bar, universal joint and 16 sizes hexagon sockets, including long spark plug socket. Openings from 1/2 to 1 1/4 in. Fits cap screws 7/16 to 1 in., U S S nuts 1/4 to 3/4 in., S A. E. 7/16 to 7/8 in.

No.	Wt. per set	Per set
6	5 lbs.	$7.00

In vulcanized fibre box, 10 3/4 x 4 3/8 in.



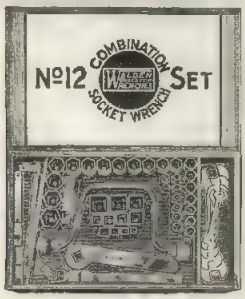
No. 11. Combination

All steel. Contains 9 in. ratchet wrench, extension bar, universal joint, cotter pin extractor, five steel open end wrenches. 39 sizes sockets, including long spark plug socket; 27 hexagon sockets from 7/16 to 1 5/16 in., 11 square sockets from 1/2 to 1 1/2 in.

No.	Wt. per set	Per set
11	10 lbs.	$13.00

In vulcanized fibre box, 14x6 3/4 x2 1/2 in.

WALDEN



No. 12—COMBINATION

All steel. Contains 9 in. ratchet wrench, 3 extension bars, universal joint, tee and offset wrench, 27 hexagon sockets from 7/16 in. to 1 5/16 in., 11 square sockets from 1/2 in. to 1 1/16 in., spark plug socket, 5 open end wrenches from 1/4 to 1 in., and brace socket wrench. Packed in hardwood box with compartments

No.	Wt. per set	Per set
12	17 lbs.	$11.00

WRIGHT'S RATCHET

No. 3

Malleable iron, galvanized. Well made and practically indestructible. **For general use in machine shop, blacksmith shop, garage and farm.** Set contains one **11 inch ratchet handle, 10** sockets, for 1/4, 5/16, 3/8, 7/16 and 1/2 inch square and hexagon U. S. S. nuts, and an **eight inch extension socket.**

No.	Wt. per Set	Per Set
3	6 lbs.	$3.00

One set in a box

WALDEN SOCKETS

Hexagon. All steel. May be used with **Starrett, Mossberg,** and all other makes of wrenches

No	Opening size, in.	U S S nut size, in	Mfg nut size, in.	Cap screw U.S.S. in.	Cap screw S.A.E. in.	Lag screw in.
13	1/4	..	1/4	..	..	1/4
15	5/16	..	..	1/4	1/4	..
16	1/2	..	7/16	..	..	7/16
17	7/16	1/4	..	7/16	7/16	..
19	1/2	..	3/8	5/8	5/8	3/8
20	5/8	7/16	..	..	..	..
21	9/16	..	..	7/16	..	..
22	11/16	..	7/16	..	..	7/16
23	3/4	3/8	..	..	7/16	..
25	13/16	..	1/2	1/2	1/2	1/2

No.	Opening size, in	T.S.S. nut size in.	Mfg nut size in.	Cap screw U S.S. in.	Cap screw S.A.E. in.	Lag screw in.
26	7/8	1/2	..	..	..	..
27	15/16	..	..	7/16	..	..
28	7/8	..	7/16	..	..	7/16
29	23/32	1/2	..	5/8	7/16	..
31	31/32	..	5/8	..	5/8	5/8
32	1 ..	7/16	..	..	..	..
33	1 1/32	..	..	9/16	1/2	..
35	1 3/32	5/8	..	..	..	..
37	1 1/16	..	9/16	5/8	9/16	5/8
41	1 1/32	3/4	..	1	5/8	..

All Numbers ..... Per doz. $3.00

WRENCHES

MACHINISTS' KNIFE HANDLE

Clean Cut TRADE MARK

Coes' pattern, head and bar drop forged from selected steel. Extra heavy jaws, thoroughly case-hardened. Easy-acting screw. **Fully warranted.**

	Length	Jaws open	Wt. doz.	Per doz
Clean Cut	6 in.	1 in.	10 lbs	$10.00
	8 in.	1 1/16 in.	18 lbs	12.00
	10 in.	1 7/8 in.	31 lbs	14.00
	12 in.	2 1/4 in.	38 lbs	18.00
	15 in.	2 7/8 in.	59 lbs	24.00
	18 in.	3 in.	90 lbs	32.00
	21 in.	4 in.	125 lbs	39.00

6 to 15 in., one-half dozen; 18 and 21 in., one-third dozen in a wooden box

P. S. & W. STRONGHOLD

Head and bar forged from one solid piece of steel, extending entire length of handle. Head and jaw are case hardened. **Fully warranted.**

	Length	Jaws open	Wt. doz.	Per doz.
P.S.&W.	6 in.	7/8 in.	9 lbs	$10.00
	8 in.	1 1/4 in.	16 lbs	12.00
	10 in.	1 3/4 in.	25 lbs	14.00
	12 in.	2 1/8 in.	40 lbs	18.00
	15 in.	2 5/8 in.	53 lbs	24.00
	18 in.	3 1/8 in.	80 lbs	32.00
	21 in.	4 in.	105 lbs	39.00

6 to 12 in., one-half dozen; 15 to 18 in., one third dozen; 21 in., one-twelfth dozen in a package.

AGRICULTURAL

Wrought iron, case hardened jaws, black

	Length	Jaws open	Wt. doz.	Per doz.
Agri-cultural	6 in.	1 in.	9 lbs	$10.00
	8 in.	1 1/4 in.	15 1/4 lbs	12.00
	10 in.	1 5/8 in.	22 1/2 lbs	14.00
	12 in.	2 in.	29 lbs	18.00
	15 in.	2 3/8 in.	38 lbs	24.00

One-half dozen in a package.

COES

Forged tool steel, case hardened jaws, black.

	Length	Jaws open	Wt. doz.	Per doz.
Coes	6 in.	1 in.	8 3/4 lbs	$10.00
Knife	8 in.	1 1/4 in.	16 lbs	12.00
H'ndl	10 in.	1 3/4 in.	25 lbs	14.00
	12 in.	2 1/4 in.	39 1/2 lbs	18.00
	15 in.	2 5/8 in.	57 lbs	24.00
	18 in.	3 1/4 in.	78 lbs	32.00
	21 in.	4 1/8 in.	105 lbs	39.00

6 to 12 in., one-half dozen; 15 to 21 in., one-third dozen in a package.

COES

Forged tool steel, case hardened jaws, extra heavy

	Length	Jaws open	Wt. doz.	Per doz
Coes	4 in.	7/8 in.	4 1/2 lbs	$ 8.00
Steel	6 in.	1 in.	9 3/4 lbs	10.00
H'ndle	8 in.	1 1/4 in.	16 1/2 lbs	12.00
	10 in.	1 3/4 in.	28 lbs	14.00
	12 in.	2 1/4 in.	43 lbs	18.00
	15 in.	2 5/8 in.	62 lbs	24.00
	18 in.	3 1/4 in.	90 lbs	32.00
	21 in.	4 1/8 in.	123 lbs	39.00

4 to 12 in., one-half dozen; 15 to 21 in., one-third dozen in a package.

RAILROAD SPECIAL

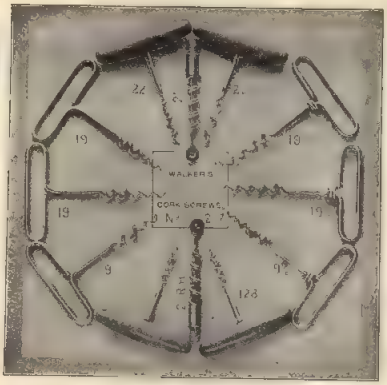
Head and bar drop forged in one piece from selected steel. Extra heavy jaws case-hardened Indestructible steel handle. Easy-acting screw. Each wrench wrapped in anti-rust paper **Fully warranted.**

	Length	Jaws open	Wt. doz.	Per doz.
R. R. Special	6 in.	1 in.	10 lbs	$10.00
	8 in.	1 1/2 in.	18 lbs	12.00
	10 in.	1 7/8 in.	30 lbs	14.00
	12 in.	2 1/4 in.	39 lbs	18.00
	15 in.	2 7/8 in.	63 lbs	24.00
	18 in.	3 in.	90 lbs	32.00
	21 in.	4 in.	127 lbs	39.00

6 to 15 in., one-half dozen; 18 and 21 in., one-third dozen in a box

CORKSCREWS

No. 16

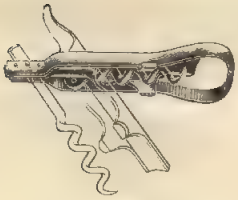


No. 207—Assortment

No. 17

No. **16.** Aluminum Stopper, Opener and Wire Cutter, N. P. — Per Doz. $4 00
No **207.** Aluminum Stopper, Opener and Wire Cutter, N. P — Per Card 1 80
No. **17.** Aluminum Stopper, Opener and Wire Cutter, N. P. — Per Doz. 5 00

Nos. 15 and 17 One in a Carton, One Dozen in a Box.



Universal

No. 234—Assortment

Universal. To press, not pull; extracts cork, removes cap and cuts wire. — Per Doz. $5 00
One Dozen on a Display Card

No. **234.** Crown Opener, japan finish, screw steel finish with copper finished head. — Per Card $2 00

WALLIS TRACTOR COMPANY
WALLIS
RACINE, WIS. U.S.A.

The WALLIS CUB JUNIOR
—A Triumph in Tractor Construction

Wallis tractors are fit to take their place beside the finest motor car. They are modern in design and construction in every respect and embody all of those features that make for great power, maximum durability, light weight, extreme simplicity and utmost accessibility.

Specifications

Motor: 4-cylinder, 4-cycle, valve-in-the-head, cast en bloc with removable sleeves.
Size: 4¼ bore x 5¾ stroke
R P M: 900 normal.
Motor Brake Horsepower, 30.
Motor Belt: Horsepower, 20.
Motor Draw Bar: Horsepower, 15
Lubrication: Automatic circulating and splash
Ignition: High-tension magneto with impulse starter
Transmission: 2 speeds forward and reverse, sliding gear selective type.
Bearings: Hyatt high duty throughout, including drive wheels and front wheels, 13 Hyatts in all
Gears: Every gear drop-forged, heat-treated, case-hardened and cut to .001", all running in oil bath
Radiator: Enclosed cellular
Rear Axles: 3" diameter heat-treated
Drive Wheels: 4 ft. diameter, 12" face.
Front Wheel: 30" diameter, 8" face.
Wheelbase: 8 ft., 4".
Total width: 5 ft.
Height Over All: 5 ft., 4".
Length Over All: 11 ft., 7"
Fuel Tank: 22 gallons capacity
Weight: 3000 lbs.

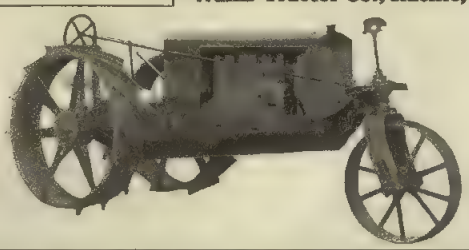
In Wallis Tractors are incorporated alloy steels, Hyatt roller bearings, steel castings, drop forgings, heat-treated cut gears, four-cylinder motors, sliding-gear selective transmissions, spring mounting, and other features that stand for the highest efficiency.

The Wallis Cub Junior has been designed not to take the place of the big tractor, but for the smaller farm that has not enough work to require a more powerful tractor. Its construction is rugged, compact and simple. It is very easy to handle, being driven like an automobile. It has the greatest drawbar pull for its weight of any tractor on the market.

The Automobile Dealer's Opportunity

The automobile dealer who is ever on the alert to add to the volume of his sales, will appreciate the immense opportunity offered by the Wallis Cub Junior. It represents a tremendous sales possibility with no additional sales force. To leading automobile dealers we have a sales plan of unusual interest to offer. We solicit correspondence concerning it.

Wallis Tractor Co., Racine, Wis.



Waltham 8-Day Clocks

For Automobiles, Limousines and Motor Boats

Actual Size
3¹⁄₂" wide
4¹⁄₂" high

MODEL B

Model B is especially suitable for wooden dashboard mounts and for limousines and electric cars. The winding stem is very accessible and the clock is water-proof and theft-proof.

All Waltham Automobile Clocks can be supplied in bright nickel, black nickel or polished brass finish, and they are equipped with either silver metal or black metal or white enamel dials.

Price $68.85

MODEL C

The distinctive feature of this model is that it telescopes and makes virtually a flush mount. It is especially adapted for cars equipped with metal dashboards, and it is practically water-proof. It is stem wind and set.

Model V and Model W are of similar type to the above, the difference being in size only. Model C has a dial opening of 2¹⁄₂ inches, Model V, 3¹⁄₄ inches; Model W, 3¾ inches.

Price $68.85

Actual Size
4¾" square

MODEL O

Model O Waltham Watch Automobile Clock is one of the most popular styles. The dial is extra large and the clock can be attached to any dashboard.

This and all other Waltham Automobile Clocks have two strong mainsprings rendering them immune to the excessive vibration of road use. They are also adjusted to heat and cold, a very important point since most cars are used both summer and winter.

Price $68.85

MODEL S

FOR AUTOMOBILES OR MOTOR BOATS

The only timepiece made for automobiles or motor boats, having 15 Jewels, and adjusted to temperature. The movement runs ten days with one winding, the warning winding indicator signal giving notice that the movement should be wound three days in advance of its running down. It is an accurate and reliable timepiece, fully warranted.

Price $68.85

The Waltham 8-Day Timepiece is the highest example of the watchmaker's skill. It is a solidly constructed 15 Jewel movement, adjusted to temperature. It has two extra long mainsprings. Breguet hairspring, and is equipped with a safety steel barrel. It has a patent winding indicator which gives three days' warning for rewinding.

You can now have a Waltham Timepiece for your automobile, motor boat or yacht. Waltham for years has been synonymous with perfect timekeeping, and this new Waltham 8-Day Timepiece will be faithful to its name. The first railroad watch that stood the rack and vibration of swaying, speeding locomotives was of Waltham construction. Waltham again leads the world in the production of an 8-Day Chronometer equal to the exacting demands of automobile motor boat and yacht.

Actual Size
Dial Opening 3⅛"

MODEL M

This is one of the most popular models of the Waltham Automobile Clocks. It gives practically flush mount, can be used on either wooden or metal dash, and is absolutely water-proof. This model, as also those mentioned on the other side of this leaflet, has our 15-Jewel, 8-Day movement with a winding indicator on the dial, which gives a warning signal three days in advance of the time when winding is necessary.

All Waltham Automobile Clocks are adjusted to temperature and are proof against any possible vibration.

Price $68.85

A Big Proposition—Electric Home Laundry Machines

Turning Washday Into Playday—See It Personally

Guaranteed Products of the Hurley Machine Company. **Easy Sales and Good Profits.** **Constant Reorders Through Satisfied Users**

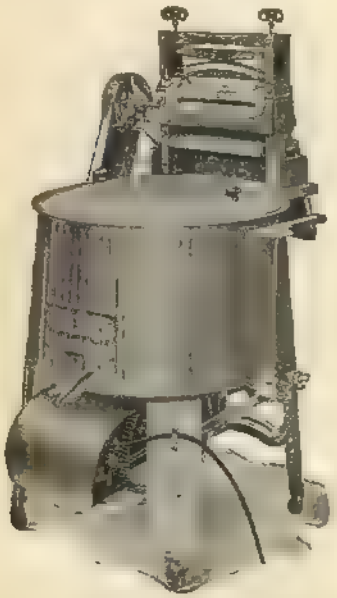
What We Have to Say About It

100,000 Thor Electric Washers in American homes are giving perfect service.

No other line you handle will bring you a more liberal commission and at the same time gain the grateful friendship of your customer.

The talking points are simple, but forceful, as the result of the highest attainment in washing machine construction. A number of families in your neighborhood—those who are progressive and are the leaders—will buy at once and open up the way for a constant business.

These machines are guaranteed absolutely to be perfect in construction, free from all defects, and to do all that is claimed for them.



Copper Electric Washer—Dolly Type

This washer is made with the same careful attention as the Thor Electric. The illustration shows the appliances for absolute safety.

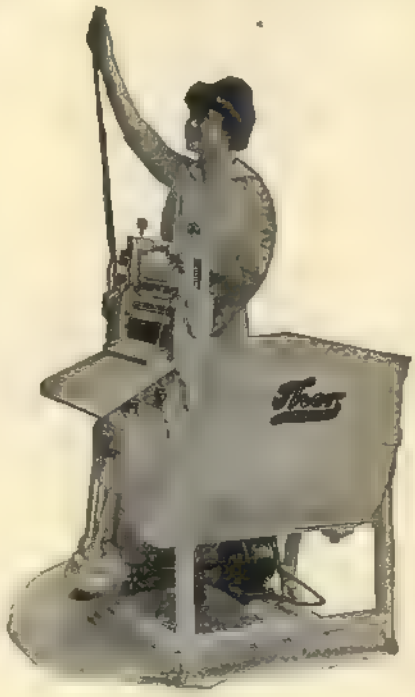
The dolly operates from beneath the tub. Machine washes and wrings at the same time. Equipped with guarded reversible wringer. As simple in operation as a door bell.

Complete instructions accompany every machine, with a guarantee bond protecting you against defects. Will wash a tubful of clothes perfectly clean in twenty minutes without hand rubbing.

Especially adapted to running from gasoline engine or line shaft. We recommend it for use in rural homes.

The capacity is eight sheets, or 96 towels, or 160 napkins. Weight, crated for shipment, 215 lbs. Floor space, 27½x28 inches. Body of solid corrugated copper.

Price complete, F. O. B. Chicago....$166.17



No. 25

The Thor Electric Washer

This cylinder type machine has made injury to the user an impossibility. All moving parts are covered. The reversible electric wringer is guarded with a patented roller protector.

The Atalog on the motor is the latest feature of the Thor. In case of an overload of any kind, it absolutely prevents any strain on the machine and averts motor trouble or blown fuses.

The plug fits into any light socket and the electricity consumed costs about 2c an hour.

The Thor Electric washes fabrics of all kinds without danger of the slightest damage.

The machine itself is beautifully white enameled and makes a wonderful display. It is operated by a push button switch, which instantly controls the current. No knowledge of electricity is necessary to obtain the best results, or to demonstrate it. The 1/6 H. P. electric motor will run indefinitely, and will wash for a family of medium size in an hour

No. 25 Thor, galvanized steel body, wood cylinder $239.34

No. 25 Thor, copper body, wood cylinder 282.50

No. 25 Thor, copper body and special copper cylinder..... 332.50

Tell us whether your light company supplies alternating or direct current when you order.

See It Personally

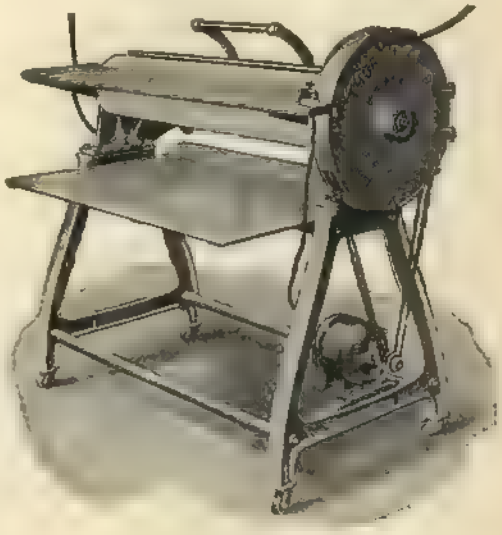
When you put yourself in the buyer's place, you can often see a proposition more clearly.

Think, then, just what an electric home washing machine is. The women of the household freed from the slavery of the washboard and sadiron. Wouldn't your household appreciate it? Would not your customers as well? Remember that it is a means of saving the most dreaded of all tasks in the home. One housewife, whose name we will supply, says:

"I have very large and dirty washings and do not have to rub anything. While I do my morning work, my washing is being done by the electric washer and only takes half the time. I feel sure I cannot afford to be without it."

Can you afford to be without one—a permanent, tireless servant in your home? One of the hundreds of similar letters in our files sums them all up in a single sentence, "Washday need be no worry to anyone possessing a Thor."

Remember, there is a constant demand for what people want. This is your opportunity.



Thor Ironer No. 38

Intended for use in the home for a family of any size. It fully meets the requirements for ironing 95% of the family washing. Powerfully constructed and entirely accident-proof. The motor of any washing machine may be used for power. Instructions and guarantee bond with each machine. Very simple to operate. Irons a 76-inch sheet doubled.

Price, without motor.....$212.88
Price, with motor..... 286.00

Any of these machines may be operated by gas engine or line shaft. Special reductions without motor attachments.

Shipped F. O. B. Chicago or New York Factory.

G. W. HUNTLEY CHICAGO

Washing Machines

1863 1917

An Excellent Side Line for the Jeweler in Rural Localities

Prices Each F. O. B. Illinois Factory

THE WALTHAM HAND POWER

BALL BEARING **HIGH SPEED**

K100—$26.08

In the construction of the Waltham ball bearing high speed washing machine, the factory has embodied every possible convenience and advantage that mechanical ingenuity and skill can produce in a high class washing machine.

During the factory's forty years' experience in the manufacture of highest quality family sewing machines, which are shown on pages 706 to 708, inclusive, with which the whole world is now familiar, they have established an enviable reputation. This same skill and ingenuity—this invaluable experience of two score years—has enabled them to produce the Waltham washer—a machine that stands at the head of all strictly first class, high speed washers.

All metal parts are finished with the electro galvanizing process—it is an attractive finish that will not wear and cannot rust.

The Waltham washing machine runs so easily that a mere child can operate it.

The Waltham washing machine is guaranteed against defective workmanship and material for a period of five years.

The tub is strongly built of well finished, select material—with reasonable care it will last for years.

The ball bearing is a simple and most effective device. It is absolutely the easiest running bearing that can be made, and is so constructed that it will wear for years without oiling or adjustment.

The compound lever construction in connection with the walking beam, and the exclusive ball bearing gives the Waltham such a decided advantage that it requires but one-half the labor to operate it that is necessary with other makes.

This type, namely the high speed washer with balance wheel, has proved to be the most practical and easiest running washing machine devised. The improvements we have embodied in the Waltham washer place it in the van of all machines of this particular type.

No. K100 Each **$26.08**

THE WALTHAM WATER POWER

DESCRIPTION

K101—$37.34

The water motor used on this washing machine is gearless. This prevents noise and lost motion and insures the easy running qualities that are absolutely necessary in a motor that will operate, as does this one, on water pressure as low as twenty-five pounds. It has no frictional parts; it is self-draining and non-freezing, requires no oiling; will not wear, rust or stick; the bearings are non-metal.

The tub is well and strongly built of selected southern cypress—"the wood everlasting," nicely finished with good quality of varnish. It will hold fifteen gallons of water and if given reasonable care, will not warp or shrink.

This water motor washing machine is the greatest labor-saving device for womankind that has ever been invented. The motor does all of the work. The operator has nothing to do except to fill and refill the tub until the washing is completed. With this machine all of the hard work of wash-day is eliminated.

The cost of operation is very light. Water is the cheapest possible power obtainable in practically every city, far cheaper than electricity. The motor used on this machine is the most economical water motor manufactured.

Repair parts can be furnished promptly and at reasonable prices.

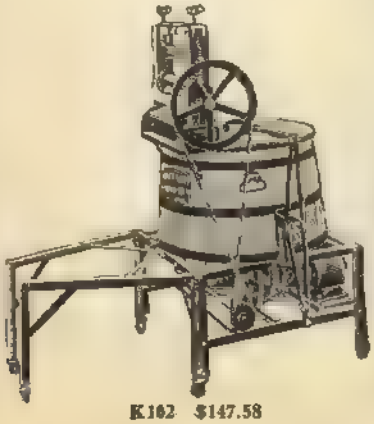
No. K101 Each **$37.34**

THE WALTHAM ELECTRIC HOME LAUNDRY MACHINE

In construction and finish this machine is unexcelled. It is very simple and all the mechanism is perfectly fitted and very strong. With proper care the Waltham electric home laundry machine will last for many years. The tub is made of selected southern cypress "the wood everlasting"—is well built and is finely finished with good quality varnish. All of the mechanism and gearing, as well as the motor, is placed underneath the tub on a rigid steel frame. All metal parts are sherardized. This finish is much more attractive than paint and as it will not peel or check, will last for a lifetime and effectually prevent rust.

The frame or standard is made of angle steel, the different pieces being securely riveted to each other, forming an exceedingly strong and rigid frame, which at the same time is not heavy nor cumbersome. The entire frame has sherardized non-rust finish and is mounted on strong steel castors, which allows the machine to be readily moved from place to place.

The steel extension for holding extra tub is hinged to the side of the frame and provides a substantial support for the tub. When not in use this extension is folded close against the machine and is entirely out of the way. The complete machine then occupies no more space than the ordinary one-tub electric.



K102 $147.58

The wringer furnished is of the highest grade obtainable, nicely finished and fitted with ball bearings. The rubber used in the rolls is not scrap rubber such as is used in many cheap wringers, but is of the very best quality, and with proper care will give years of satisfactory service. This wringer is fitted with a new and patented device convenient to the hand which allows the rolls to be relieved of all pressure instantly, as is sometimes necessary, should the operator carelessly catch her fingers, or if for any other reason it is desired to relieve the rolls of pressure quickly. The wringer is connected with the motor by means of a quiet, smooth running belt, which is crossed, as shown in the illustration, in order to get the most secure grip on the pulleys. A simple, easily operated lever handle at the side of the tub controls this wringer so that it is started, stopped or reversed instantly, at the will of the operator.

The electric motor is of ample strength to run the wringer and washing machine at the same time. It is the best motor manufactured today and is built in accordance with our specifications for use on the Waltham washer. All of these electric machines are regularly equipped with motor for use on alternating current, 110 volt, 60 cycle electric systems, as these specifications are proper for practically all the electric light systems today. The Waltham machine can be furnished, however, with motors for use on any odd voltage or odd cycle systems. In order that the proper motor shall always be sent, we request that orders for electric machines specify current, voltage and cycles.

Cost of Operation. In operation this washing machine is simple in the extreme. After connecting the extension cord to an ordinary electric light socket the agitator is started by pulling towards you the lever handle nearest to the front of the machine. The wringer is started by pushing the lever nearest to the wringer towards the back of the machine, and is instantly reversed by pulling this same lever towards the front of the tub as far as it will go. The cost of operation is very light—less than two cents per hour for electrical current consumed. As the average family washing can be finished complete in from two to three hours' time, the total cost for electricity will never be more than ten cents per week.

No. K102 Each **$147.58**

Fine Crystal Regulators

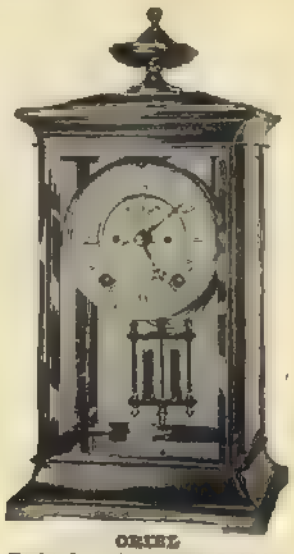
PRICES EACH

DONYAL

Eight day hour and half-hour gong strike. Plain solid 5-inch porcelain dial, Arabic or Roman. Bevel plate glass front, sides and back. Height, 8⅞ inches; width, 5⅝ inches.
Polished brass $42.35
Gold plated 45.05
Ansonia.

CROWN—$65.45

Rich gold finish, beveled plate glass front, sides and back, eight-day, half-hour gong strike, 4-inch visible escapement, porcelain dial, Arabic or Roman. Height, 15½ inches; width, 8 inches.
Ansonia.



ORIEL

Eight-day, hour and half-hour gong strike. Plain solid 4-inch dial or with visible escapement as illustrated. Beveled plate glass front, sides and back. Height, 13¾ inches; width, 6¾ inches.
Polished brass $71.70
Gold plated 77.00
Ansonia.

PEEL—$60.65

Rich gold finish, eight-day, hour and half-hour gong strike, plain solid 4-inch porcelain dial or with visible escapement as illustrated. Beveled plate glass front, sides and back. Height, 12 inches; width, 8 inches.
Ansonia.

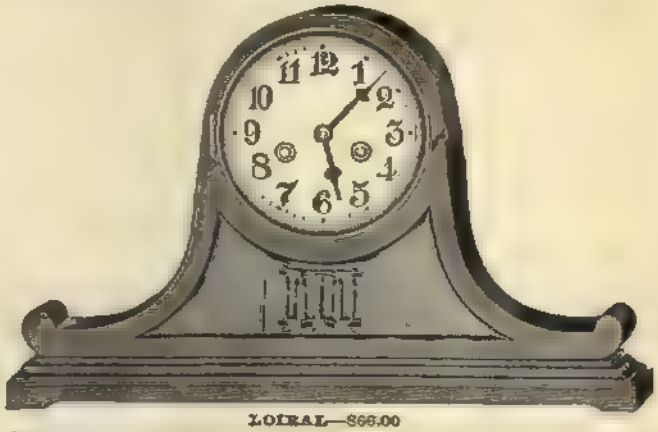
GRANVILLE—$63 60

Polished brass eight-day, half-hour strike gong, 4½-inch ivory dial; height, 10⅝ inches; width, 6¾ inches. Beveled glass front, sides, and back.
Gold plated, same as above $70.25
Waterbury.

AUCH—$66.00

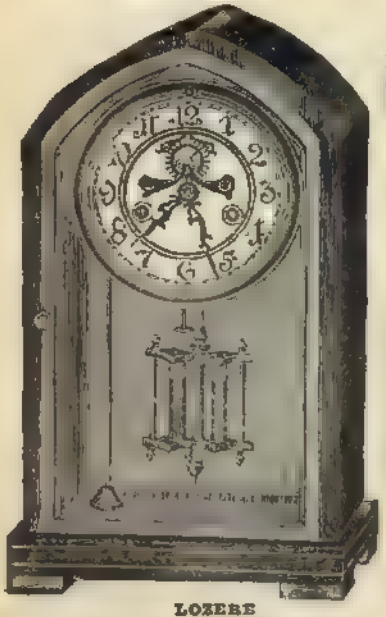
Rich gold plated.

Eight-day, half-hour strike gong, 4½ inch ivory dial, ivory center, visible escapement, cast gilt bezel, bevel glass front, bevel glass back. Height, 10⅜ inches; width, 7 inches.
Waterbury.



LOIRAL—$66.00

Mahogany or Circassian walnut finish, eight-day, half-hour strike gong, 8-inch porcelain dial, convex beveled glass. Height, 10½ inches; width, 16 inches.
Waterbury.



LOZERE

Mahogany or Circassian Walnut

8-day, half-hour strike gong $60.00
4½-inch ivory dial, ivory center, visible escapement, cast gilt bezel, beveled glass front and back. Height, 10⅜ inches; width, 6¾ inches.
Waterbury.

FONTAINE

Mahogany or Circassian Walnut

8-day, half-hour strike gong $61.60
5-inch porcelain dial, cast sash; convex, beveled glass; beveled glass front. Height, 10⅜ inches; width, 9⅞ inches.
Waterbury.

TROUVILLE

Mahogany or Circassian Walnut

8-day, half-hour strike, gong $48.45
3½-inch ivory dial, cast gilt bezel, bevel glass front and back. Height, 9¾ inches; width, 5⅝ inches.
Waterbury.

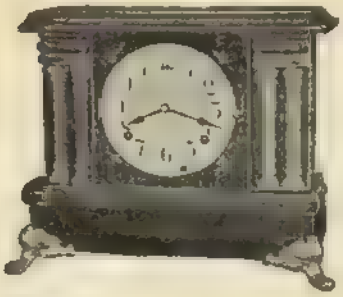
G.W. HUNTLEY & CHICAGO

Fine Enameled Wood Mantel Clocks

1863 1917

Manufactured by the Gilbert Clock Co. Prices Each

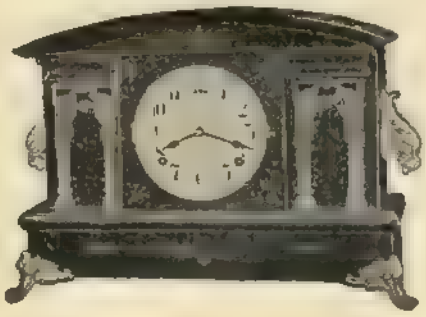
Eight-day half-hour strike; hours on cathedral gong, half hours on cup bell. 5¼-inch dial. Convex Glass.



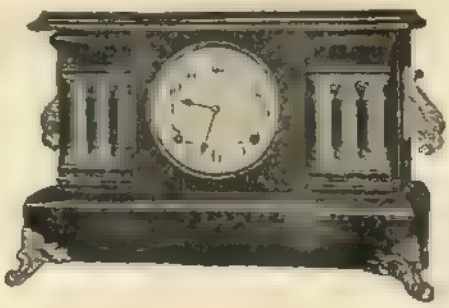
No. 2281 .....each $13.30
Height, 11 inches; width, 13¾ inches. Finish, black enamel, green marbleized basetop and mouldings, green columns and gilt trimmings.

No. 2280 .....each $13.95
Height, 11 inches; width, 16½ inches. Finish, black enamel, red marbleized basetop and columns, black mouldings and gilt trimmings.

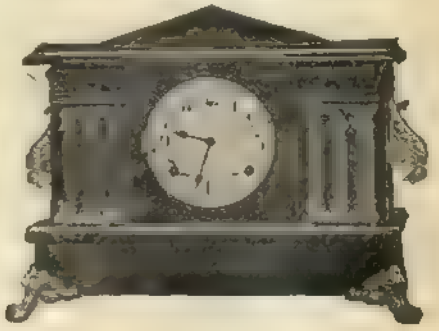
No. 2290 .....each $15.45
Height, 11 inches; width, 17½ inches. Finish, white enamel with smoked pearl effect, dark green columns and bronze trimmings.



No. 2286.....each $15.35
Height, 11½ inches; width, 16¾ inches. Finish, black enamel, red marbleized mouldings, green columns and bronze trimmings.



No. 2307.....each $15.75
Height, 11 inches; width, 17½ inches. Finish, black enamel, green marbleized mouldings, gilt columns and trimmings.



No. 2227.....each $16.45
Height, 12½ inches; width, 16¾ inches. Finish, black enamel, red marbleized mouldings, gilt columns and trimmings.

Jewelers' Assortment, $82.10

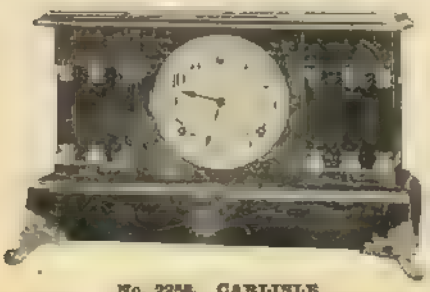
Sold Only in Assortments as Illustrated

The cases of all Enameled Clocks are made from carefully selected lumber which has been air and kiln dried for a sufficient length of time to thoroughly remove all moisture, which insures perfect joints that will not separate. Tan dippings and bakings of filler and enamel give that brilliant and durable finish so desired in clocks of this type. Heavy cast metal trimmings. Eight-day movements striking hour on cathedral gong, half hour on cup bell. Colonial sash, 5½-inch celluloid dial. Convex glass.

No. 2256. BUFFALO
Height, 10⅞ inches, width, 16¾ inches. Finish black enamel, red marbleized mouldings green fluted columns, bronze trimmings

No. 2254. BOSTON
Height, 11 inches, width 17⅝ inches. Finish, black enamel red marbleized mouldings green fluted columns. Bronze trimmings

No. 2259. CAIRO
Height, 11¾ inches width, 15¾ inches. Finish black enamel, red marbleized mouldings, green fluted columns, bronze trimmings.



No. 2258. CARLISLE
Height 10⅞ inches width 17½ inches. Finish black enamel, green marbleized mouldings green fluted columns, gilt trimmings.

No. 2255. BROCKTON
Height 10¾ inches, width 16¾ inches. Finish black enamel green marbleized mouldings green fluted columns gilt trimmings

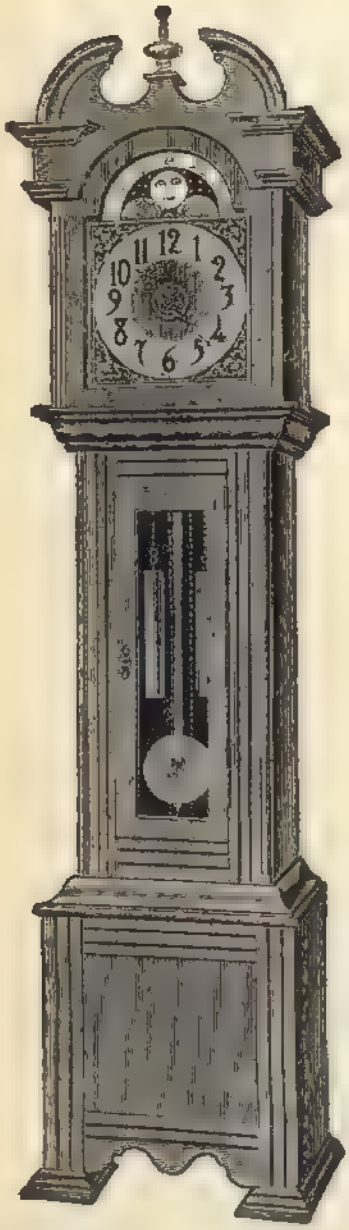
No. 2257. CLINTON
Height 10⅞ inches width 16¾ inches. Finish black enamel Red marbleized mouldings. Green fluted columns, gilt trimmings.

Fine Oak and Mahogany Hall and Chime Clocks

1863 1917

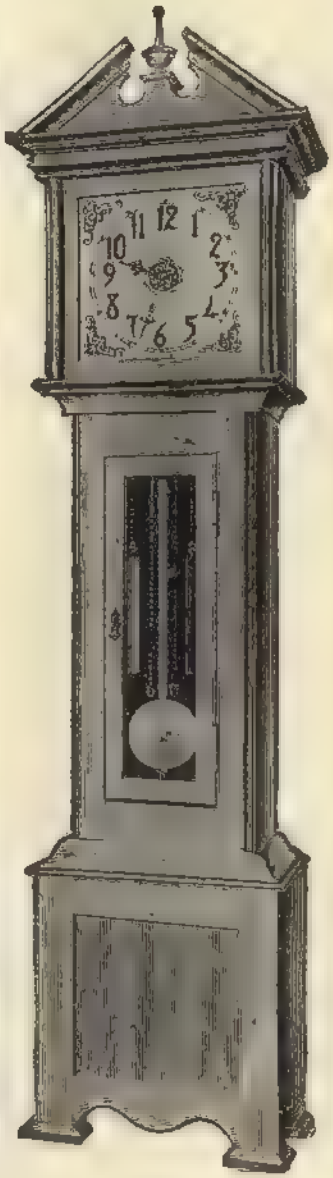
Made by the Waterbury Clock Co.

Prices Each



No. 78 HALL CLOCK—$200.00

Mahogany case. Height 7 feet 7½ inches, width 23½ inches, 12-inch gilt and silver plated dial. Eight-day chain weight movement with Hall hour strike gong. Moon's phases. Beats seconds.

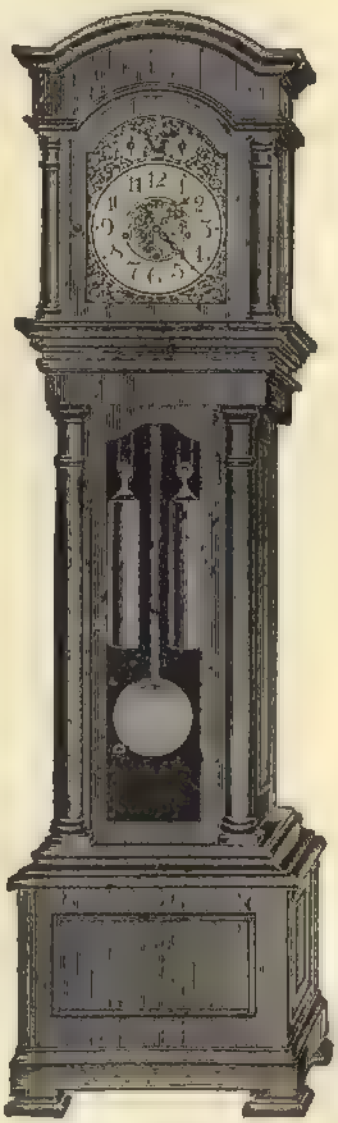


No. 74

HALL CLOCK

Mahogany case $160.00
Oak case 150.00

Height 7 feet 4 inches, width 22½ inches, 12-inch dial silver plated. Eight-day chain weight half-hour strike, gong. Beats seconds.

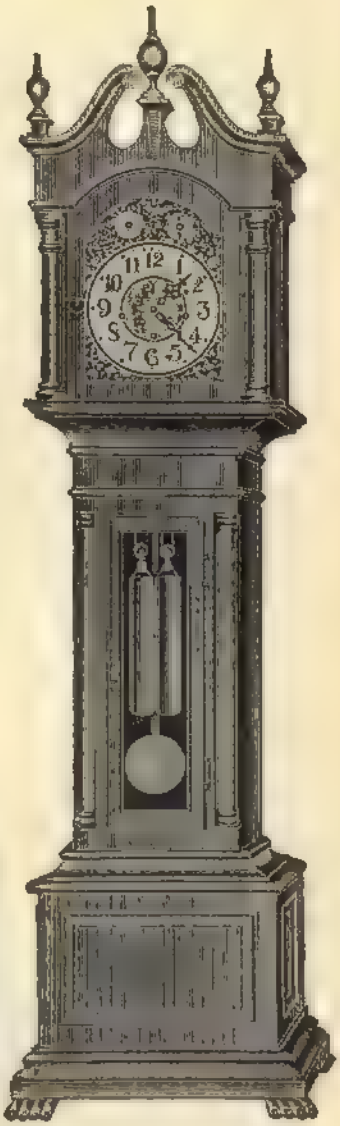


No. 801

HALL CHIME CLOCK—$330.00

Oak or Mahogany case.

Height 6 feet 6 inches, width 20¾ inches. Full Westminster, 8-day clear hour chime strike on 5 tempered wire gongs. Brass weights. Gilt and silver plated dial. Beveled plate glass panel.



No. 800

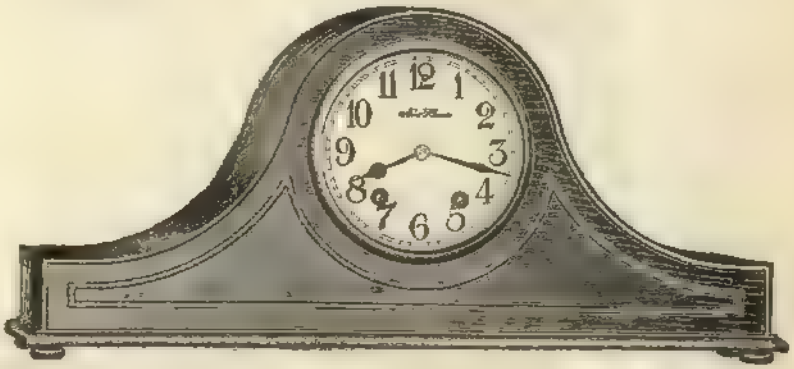
HALL CHIME CLOCK—$330.00

Mahogany or Circassian Walnut case.

Height 6 feet 7½ inches, width 22½ inches. Full Westminster, 8-day quarter hour chime strike on five straight wire gongs. Brass weights, gilt and silver plated dial. Beveled plate glass panel.

Fine Genuine Mahogany Tambour and Chime Clocks

Prices Each



No. 14 TAMBOUR—$32.10

Solid mahogany case. Height 9 inches, length 19½ inches. Fine white 6 inch porcelain dial. Bevel bowed glass. Eight day half-hour strike cathedral gong. High grade rack and snail movement. For silver dial, add extra $1.50.

NEW HAVEN

OLYMPUS—$48.35

Solid mahogany case. Height 11 inches, length 18¾ inches. Fancy scroll design. Fine white porcelain 6-inch dial. Beveled glass. French cast sash. Eight-day half-hour strike cathedral gong.

NEW HAVEN

RIDEAU—$100.00

Solid mahogany case. Fifteen-day, hour and half-hour rack strike movement. Five-inch porcelain dial and beveled glass. Length of base 21½ inches, height 9 inches.

SETH THOMAS

No. 58 TAMBOUR CHIME—$200.00

Westminster quarter-hour chime. Five bells. Mahogany fine-figured pattern. Hand carved case of perfect proportions. Eight-inch convex silver dial with raised bronze numerals and cut serpentine hands. Brass sash with convex beveled glass. Length of base 32½ inches, height 14 inches.

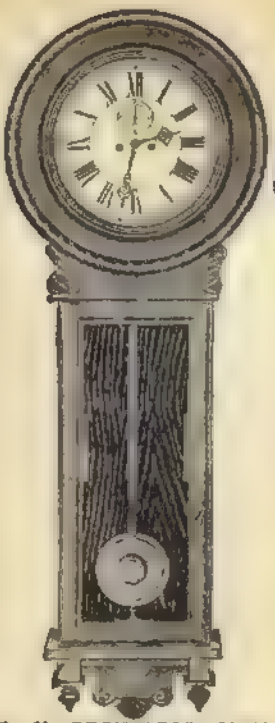
No. 258 TAMBOUR CHIME—$250.00

Same as above, with Whittington and Westminster quarter-hour chime on eight bells.

SETH THOMAS

Regulators

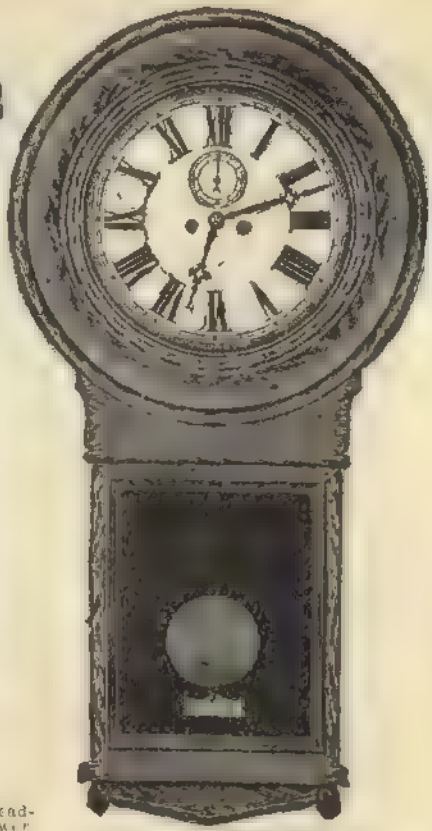
Made by the Waterbury Clock Co.
PRICES EACH



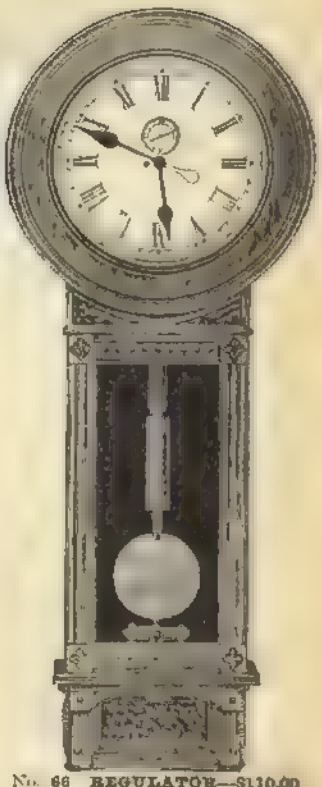
No. 81—REGULATOR—$77.00
Oak case, 8-day weight time movement, in which seconds can be set exactly by means of a special winding key; dead-beat escapement, maintaining power and pendulum adjustment from front; 12-inch dial; height, 50 inches; width, 22 inches.

No. 67 REGULATOR
Eight-day, weight time, dead-beat escapement, winding power and pendulum adjustment from front; 12-inch dial; height, 50 inches; width, 22 inches.

Oak or walnut $52.85
Mahogany 59.45



No. 20 REGULATOR—$41.85
Oak case, eight-day weight time, dead-beat escapement, winding power, solid pendulum adjustment from front; 12-inch dial; height, 58 inches.



No. 66 REGULATOR—$110.00
Oak case, eight-day weight time, dead-beat escapement, winding power, pendulum adjustment from front; 18-inch dial; height, 67½ inches.

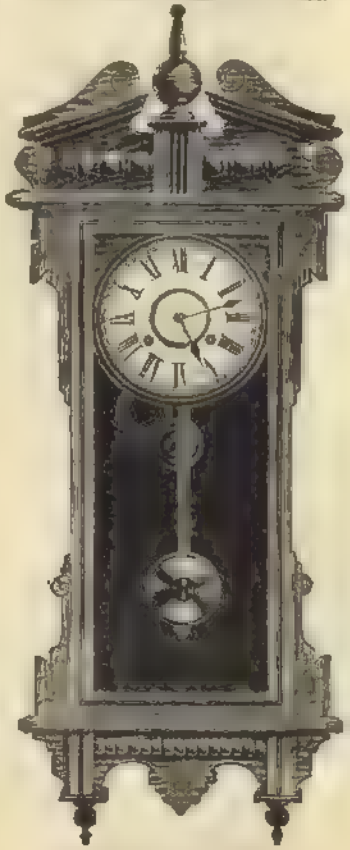
POSTORIA
Case, walnut or mahogany, eight-day, spring driven; 12-inch dial; height 43¼ inches; width, 16½ inches.

Oak or walnut $33.50
Mahogany 36.00

Eight-day spring, half-hour strike gong
Oak or walnut $35.85
Mahogany 41.35
Thirty-day, spring, time, with second hand.
Oak or walnut $36.95
Mahogany 42.45

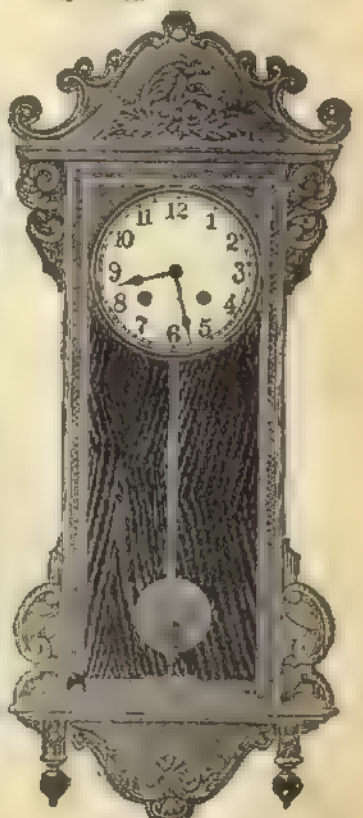
HALIFAX
Oak, 6-inch Rococo dial; height, 21½ inches.

8-day spring, time $15.45
8 day, spring half hour strike, gong 18.85



ETON—Oak or Walnut
Eight-inch dial; height, 39¼ inches; width, 15 inches.

8-day spring, time $22.00
8-day, striking ½-hour strike, gong 25.35



ALTON—Oak or Walnut
8-inch dial; height, 39½ inches; width 16½ inches.

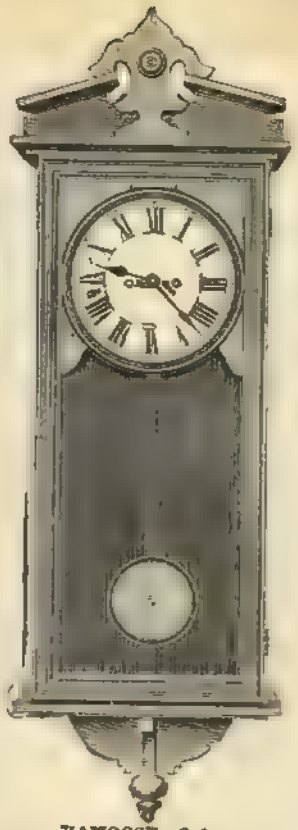
8-day, spring, time $24.00
8-day, spring, ½-hour strike gong 27.35

Regulators

Made by the New Haven Clock Co.

SATURN—$44.00

Height 45¾ inches, width 15¼ inches. 12 inch dial. Solid oak or mahogany case. Special escapement with retaining power.



VAMOOSE—Oak

Height 45 inches, width 15¼ inches. Dial 10 inches.

8-day time	$25.45
8-day, strike, gong	27.95
8-day time, calendar	26.15
8-day, gong, calendar	28.65
30-day time	29.10

GLENOE—$47.95

Height [illegible] inches, width 15¼ inches. 12-inch dial. Mahogany or solid oak. Antique finish. 8-day weight time.

TAMPICO

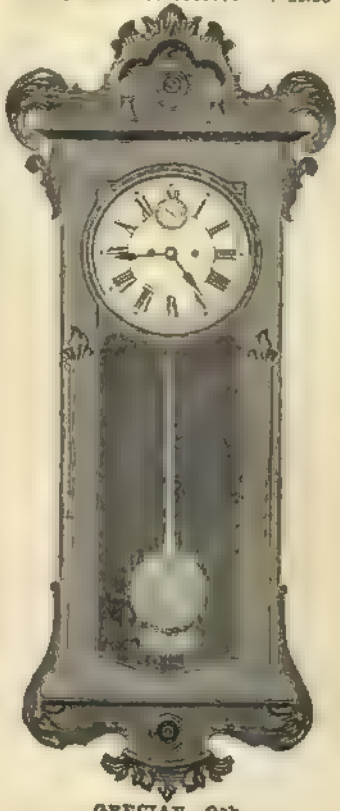
Height 42 inches, width 15½ inches. 12 inch Arabic dial. Antique oak case.

8-day time	$21.25
8-day time, showing second hand	24.95

COLUMBIA—Oak or Cherry

Height 48¾ inches, width 14¼ inches. Dial 8 inches.

8-day time	$32.00
8-day strike, gong	34.50
8-day time, calendar	32.75
8-day, gong, calendar	35.25
30-day time	32.95



GRECIAN—Oak

Height 51 inches, width 20 inches. Dial 10 inches.

8-day time	$39.85
8-day strike, gong	42.35
8-day time, calendar	40.55
8-day, gong, calendar	43.10
30-day time	43.50
8-day time, weight movement	53.15

ELFRIDA—$33.85

Height 49 inches, width 19 inches. Solid oak or mahogany case. 10 inch dial. 8-day spring time.

STANTON—$104.00

Antique oak finish, height 64 inches, width 21 inches. 12-inch Arabic dial. 8-day weight time beats seconds. Movement has Graham pallets with cut pinions and retaining power. Wooden pendulum rod with highly polished ball.

Store and Office Clocks

Made by the Waterbury Clock Co.
Prices Each

STORK
Oak or mahogany finish; 12 inch dial; height 3[illegible] inches; width 15[illegible] inches.
3-day spring [illegible] $22.00

ADMIRAL
Oak 12-inch dial; height, 32 inches.

8-day, time [illegible]	$16.50
8-day, half-hour strike [illegible]	18.65
8-day, half-hour strike, gong [illegible]	19.75
8-day, time, calendar [illegible]	17.55
8-day, half-hour strike, calendar [illegible]	19.75
8-day, hour and half-hour strike, calendar	20.85
8-day, time, with [illegible] hand [illegible]	20.95

CRANE
Oak or mahogany finish; 12-inch dial; height, 2[illegible] inches; width, 15¼ inches.

8-day, time [illegible]	$14.00
8-day, half-hour strike [illegible]	16.15
8-day, time, calendar [illegible]	16.10
8-day, half-hour strike, calendar [illegible]	17.25

8-INCH DROP OCTAGON
Oak or [illegible] veneered. 8-inch dial. Arabic figures. Height, 30 inches.

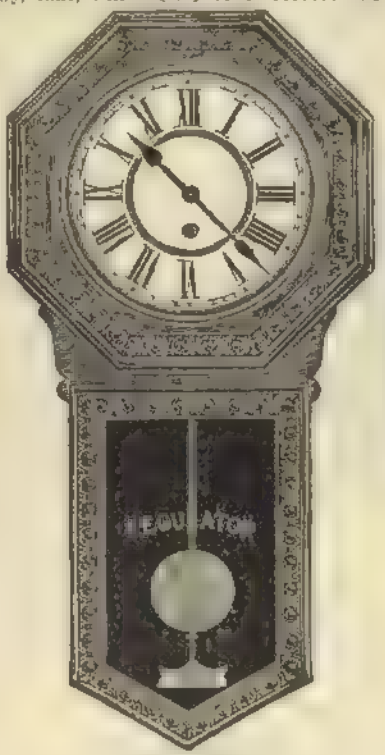
	Oak	Rose-wood
8-day, time [illegible]	$10.85	$12.00
8-day, half-hour strike	13.00	14.15
8-day, time, calendar [illegible]	11.95	13.10
8-day, half-hour strike, calendar	14.10	13.55

10-INCH DROP OCTAGON
10-inch dial. Roman figures. Height, 22 inches.

8-day, time [illegible]	$12.00	$13.15
8-day, half-hour strike	14.15	15.45
8-day, time, calendar [illegible]	13.10	14.25
8-day, half-hour strike, calendar	13.55	16.50

12-INCH DROP OCTAGON
12-inch dial. Roman figures. Height, 24 inches.

8-day, time [illegible]	$13.15	$14.45
8-day, half-hour strike	15.45	16.55
8-day, time, calendar	14.25	15.50
8-day, half hour strike, calendar	16.50	17.65

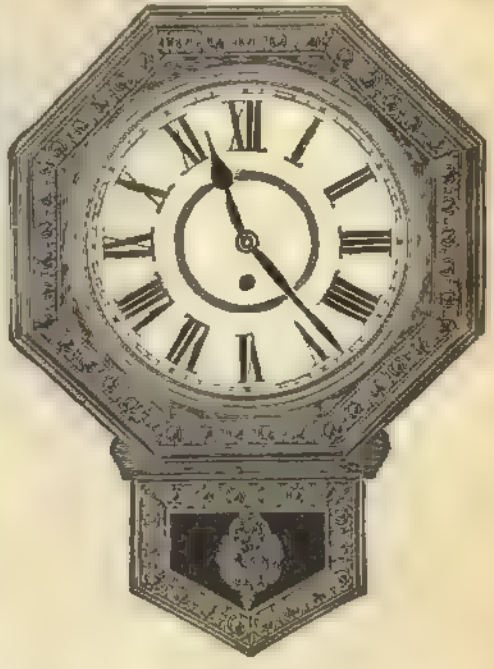


10-INCH HERON
Oak or mahogany finish; 10-inch dial; height, 30 inches.

8-day, time [illegible]	$13.15
8-day, half-hour strike [illegible]	15.45
8-day, time, calendar [illegible]	14.25
8-day, half-hour, strike, calendar	16.50

12-INCH HERON
Oak or mahogany finish; 12-inch dial; height, 32 inches.

8-day, time [illegible]	$14.45
8-day, half-hour strike [illegible]	16.55
8-day, time, calendar [illegible]	15.50
8-day, half-hour strike, calendar	17.65



[illegible] ARION
Oak
[illegible]nch dial. Height, 23 inches.

8-day, time [illegible]	$10.55
8-day, half-hour strike [illegible]	12.85
8-day, calendar [illegible]	11.65
8-day, half-hour strike, calendar [illegible]	13.95

12-INCH ARION
Oak or Mahogany Finish
12 inch dial. Height, 24 inches.

8-day, time [illegible]	$11 65
8-day, half-hour strike [illegible]	13.95
8-day, time, calendar [illegible]	12.75
8-day, half-hour strike, calendar	15.00

G.W. HUNTLEY CHICAGO

Store and Office Clocks

Made by the Ansonia Clock Co.

Prices Each

1863 1917

STANDARD REGULATOR—$52.00

Mahogany or oak polished, Arabic or Roman 12-inch dial. Height 37 inches. Eight-day. Weight time has maintaining power seventy-six beats to the minute.

12-INCH DROP OCTAGON, R. C.

Oak or rosewood.

12-inch dial. Height 24 inches.
Eight-day time $14.10
Eight-day, hour or half-hour strike..... 16.15

10-INCH DROP OCTAGON, R. C.

Oak or rosewood.

10-inch dial. Height 21½ inches.
Eight-day time $14.60
Eight-day, hour or half-hour strike .. 15.00

8-INCH DROP OCTAGON, R. C.

Oak or rosewood.

8-inch dial. Height 19½ inches.
Eight-day time $11.95
Eight-day, hour or half-hour strike.. . 14.10

QUEEN ELIZABETH

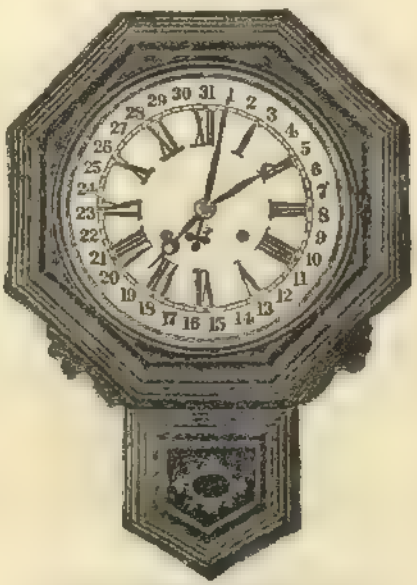
Dark wood or oak.

8-inch dial. Height 37 inches.
Eight-day time $21.15
Eight-day, hour and half-hour gong strike 23.65

REGULATOR "C"

Oak or rosewood, polished veneer, 12-inch Roman or Arabic dial. Height 32 inches.

Eight-day time $16.35
Eight-day, hour or half-hour strike..... 18.25



DROP OCTAGON, "B" CALENDAR

Dark and light oak.

12-inch Roman dial. Height 34½ inches.
Eight-day time, calendar $13.75
Eight-day, hour or half-hour strike, calendar 15.85

DROP OCTAGON, "B"

Dark and light oak.

Height 24½ inches.

Eight-day time $12.65
Eight-day, hour or half-hour strike..... 14.85

REGULATOR "A"

Ash or black walnut.

12-inch Arabic dial. Height 32 inches.
Eight-day time $20.15
Eight-day, hour and half-hour strike ... 22.35
Eight-day time, calendar 21.25
Eight-day, hour and half-hour strike, calendar 23.45

"The Magnet of Motordom"

—a title given to this big, handsome, speedy, accurate WAYNE CURB PUMP by dealers who since using it have doubled, tripled or quadrupled their gasoline business.

Wayne
Honest Measure Pumps

are the only pumps that will throw 5 gallons in 15 seconds,—20 gallons a minute with continuous forward strokes—no backward cranking.

They are the handsomest pumps, and the only pumps made today with a complete rust-proof line for gasoline. Every valve is solid brass. Every casting, select gray iron, every part that comes in contact with the gasoline is galvanized. This and a perfect filter mean pure, clean, dirtless, waterless "gas" for every customer.

The never-failing delivery of a full measure of pure gas, QUICK, accounts for the fact that motorists now go out of their way to reach a Wayne.

The above-mentioned and a hundred other exclusive and important WAYNE features are described in detail in an interesting circular we've prepared for YOU.

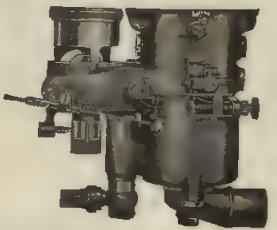
Write now and let us send you one, -no obligation whatever

WAYNE OIL TANK & PUMP CO.
504 Canal St. Ft. Wayne, Ind.

Different! Better!

WEBBER

Automatic Carburetor



When your customers get tired of fooling with Inefficient carburetors and want one that is a real producer of results—sell them the WEBBER.

It will give more power from less gas, automatically provide the right mixture at all times and give the most efficient and economical carburetion it is possible to obtain. Ask us to tell you why, and the details of our dealers' offer

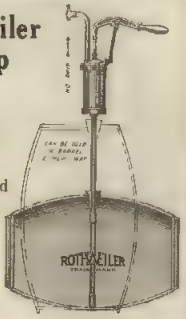
Webber Mfg. Co. 66-68 Stanhope St. BOSTON, MASS.

Rothweiler Pump

Price

$6.50

Delivery Charges Paid



Patent Pending

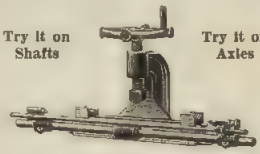
The above method is the easiest, quickest, cleanest and cheapest way of getting all the oil, gasolene, turpentine, light paint, etc., out of a wooden barrel or iron drum.

ROTHWEILER & CO., Seattle, Wash.

This "Towsley" Improved Straightening Machine

Should Be In Your Shop

Try it on Shafts



Try it on Axles

One man and the Towsley will do 50% more work than two men could possibly do with sledge and anvil and do it better.

Will receive stock up to 2¼" diameter and 3" to 48" long. Steel square threaded screw and adjustable heads. Write for circular and price.

Quick Shipment

The John T. Towsley Co.

Gest and Evans Streets

CINCINNATI OHIO

Exceptionally Large Profits can be made by Repair and Garage Men with

No. 8 Lowell Adjustable Sectional Vulcanizer

It's different, superior, economical in operation, in fact, beyond comparison.

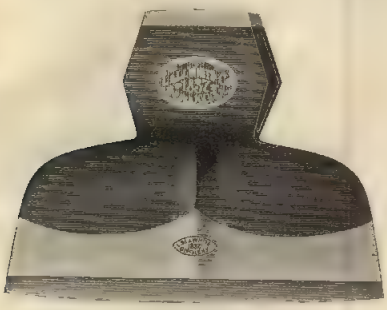
Complete and thorough work can be accomplished with this vulcaniser at all times.

DON'T LOSE A MINUTE—WRITE TODAY!

Auto-Tire Vulcanizing Company

140 Powell Street - - - Lowell, Mass.

BROAD AXES



No. 25—White's Canada Pattern

Crucible Cast Steel, Polished Head and Bit, Painted Black.

Weight, pounds	6½	7	7½	8
Width cut, inches	10½	11	11½	12
Per Dozen	$45 00	45 00	45 00	45 00

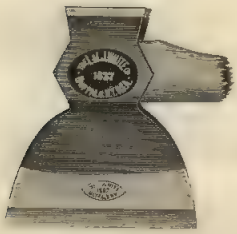
One Half Dozen in a Case

No. 60—Beatty, Canada Pattern

Superior Quality Cast Steel, Polished Head and Bit, Gold Bronzed.

Weight, pounds	6½	7	7½	8
Width cut, inches	11½	12	12½	13
Per Dozen	$44 00	44 00	46 00	46 00

WHITES BROAD HATCHETS



No. 27—Single Bevel

Crucible Cast Steel, Polished Head and Bit, Painted Black.

No.	8	7	6	5
Width cut, inches	4	4½	5	5½
Weight, pounds	2¼	2½	2¾	3
Per Dozen	$13 00	13 00	13 00	14 00

One-Half Dozen in a Box.

ALKI BROAD HATCHETS

Gold Bronzed Polished Head and Bit Standard Quality.

		Per Doz.
No. 2.	Single bevel, cut 4½ in., wt. per doz. 25 lbs	$11 50
No 3.	Single bevel, cut 5 in., wt. per doz. 30 lbs	13 00
No. 4.	Single bevel, cut 5½ in., wt. per doz. 40 lbs	14 50

One-Half Dozen in a Box

OLYMPIC BROAD HATCHETS

Olympic Hatchets are hand forged from special high grade steel, ground sharp to a razor edge. They are finished in a special gun metal polish finish, and are etched in gold making a very attractive as well as durable tool, and they are guaranteed

No.		Per Doz.
2.	Single bevel, width cut 4½ in., wt. per doz. 25 lbs	$15 00
3.	Single bevel width cut 5 in., wt. per doz. 30 lbs	16 50
4.	Single bevel, width cut 5½ in., wt. per doz. 40 lbs	18 00
5.	Single bevel, width cut 6 in., wt. per doz. 45 lbs	20 00
6.	Double bevel, width cut 6½ in., wt. per doz. 48 lbs.	23 00

OLYMPIC HALF HATCHETS

No.		Per Doz.
1.	Width cut 3½ in., wt per doz 22 lbs	$11 00
2.	Width cut 3⅞ in., wt. per doz 25 lbs	12 00

OLYMPIC SHINGLING HATCHETS

No.		Per Doz.
1.	Width cut 3½ in., wt. per doz. 21 lbs	$10 00
2.	Width cut 3⅞ in., wt. per doz. 25 lbs	11 00

OLYMPIC CLAW HATCHETS

No.		Per Doz.
1.	Width cut 3½ in., wt. per doz. 21 lbs	$11 00
2.	Width cut 3⅞ in., wt. per doz. 25 lbs	12 00
3.	Width cut 4⅜ in., wt. per doz. 30 lbs	13 00

One-Half Dozen in a Box

WRENCHES

HAWKEYE

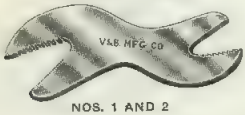
No. 200

Combination nut and pipe wrench and thread cutter. Drop forged, mottled finish. Holds pipe ⅜ to 1 in. Cuts following threads: ⅛x18, ⅜x16 and ½x13

No.	Length	Wt. per Doz.	Per Doz.
200	8 in.	11¼ lbs.	$12.00

One-half dozen in box.

ALWAYS READY



NOS. 1 AND 2

Solid steel, drop forged, oil tempered. Full polished and nickel-plated.

No.	Length	Holds Pipe	Wt. per Doz.	Per Doz
1	5 in.	¼ to ¾ in.	5½ lbs.	$5.00
2	7 in.	¼ to 1¼ in.	9½ lbs.	6.75

One-half dozen in box.

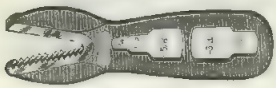
NOS. 10 AND 20

Solid steel, drop forged. Natural finish.

No.	Length	Holds Pipe	Wt. per Doz.	Per Doz
10	5 in.	¼ to ¾ in.	5½ lbs.	$4.00
20	7 in.	¼ to 1¼ in.	8½ lbs.	6.50

One half dozen in a box

TROJAN



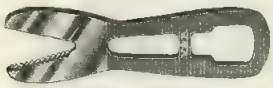
Nos. 21 and 31

Solid steel, drop forged, oil tempered.

No.	Length	Holds Pipe	Holds Round Iron	Wt. Doz.	Per Doz.
21	5½ in.	⅛ to ⅝ in.	¼ to ¾ in.	4½ lbs.	$4.00
31	7 in.	⅛ to 1 in.	⅜ to 1¼ in.	9 lbs.	6.00

No. 21, one dozen in box; No. 31, one-half dozen in box.

ALLIGATOR



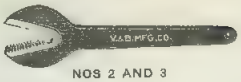
No. 1

Solid steel, oil tempered, blued and polished.

No.	Length	Holds Pipe	Holds Round Iron	Wt. Doz.	Per Doz
1	5½ in.	⅛ to ⅝ in.	⅛ to ¾ in.	3 lbs.	$4.00

One dozen in a box.

ALLIGATOR



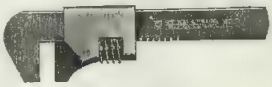
NOS 2 AND 3

Solid steel, drop forged and oil tempered. Natural finish.

No.	Length	Holds Pipe	Holds Round Iron	Wt. Doz.	Per Doz.
2	9 in.	⅜ to ¾ in.	⅛ to 1 in.	12 lbs.	$12.00
3	15 in.	½ to 1¼ in.	⅜ to 1⅝ in.	36 lbs.	24.00

No. 2, one dozen in a box; No. 3, loose

BICYCLE



Nos. 2 and 11

Solid steel, flat bar. Solid jaw.

No.	Length	Opens	Finish	Per Doz
2	5½ in.	1½ in.	Full polished and nickel plated	$4.00
11	5 in.	1½ in.	Satin	2.50

One-twelfth dozen in box.

No. 97 N

Solid steel, drop forged. Extra quality. Nickel plated.

No.	Length	Opens	Wt. per Doz.	Per Doz
97 N	4½ in.	1⅜ in.	6 lbs.	$ 9.00

One-twelfth dozen in a box.

No. 14

Solid steel, case hardened. Telescope handle. Highly polished and nickel plated

No.	Length	Opens	Wt. per Doz.	Per Doz.
14	4¼ in.	1½ in.	4½ lbs.	$12.00

One-twelfth dozen in box.

MOTORCYCLE

No. 13M

Solid steel, case hardened, telescope handle, highly polished, mottled finish

No.	Length	Opens	Thickness of Bar	Wt. per Doz.	Per Doz.
13M	5¾ in.	2⅝ in.	⅞ in.	10½ lbs.	$8.00

One-twelfth dozen in a box.

WRENCHES

GENERAL PURPOSE

Nos. 500 to 504

Unfinished plain forgings, with milled openings. **Semi-finished** heads bright, case hardened. **Finished**—polished and lacquered, case hardened.

Drop forged, milled openings 22½ degree angle, for manufacturers' standard nuts.

Unfinished

No.	Size Bolt	Openings	Length In.	Wt. Doz	Per Doz
500	⅜ and ¼	½ and ½	6¾	2¼ lbs.	**$2.16**
501	⅛ and ⅜	½ and ⅝	7⅞	3½ lbs.	**2.76**
502	⅜ and ⅜	⅝ and ¾	8¼	5¾ lbs.	**3.48**
503	⅝ and ⅞	¾ and ⅞	9¼	8½ lbs.	**4.56**
504	⅞ and ½	⅞ and 1	10⅜	11¾ lbs.	**6.00**

One-half dozen in a box.

Finished

No.	Size Bolt	Openings	Length In	Wt. Doz	Per Doz
500	⅜ and ¼	½ and ½	6¾	2¼ lbs.	**$ 4.56**
501	¼ and ⅜	½ and ⅝	7⅛	3½ lbs.	**5.64**
502	⅜ and ⅜	⅝ and ¾	8¼	5¾ lbs.	**6.96**
503	⅝ and ⅞	¾ and ⅞	9¼	8½ lbs.	**8.64**
504	⅞ and ½	⅞ and 1	10⅜	11¾ lbs.	**10.80**

One-half dozen in a box.

GENERAL PURPOSE WRENCHES, IN SETS

One each 500, 501, 502, 503, 504, in heavy canvas bag.

No.		Wt. per set	Per set
A. U.	Unfinished	2¾ lbs.	**$2.03**
A. S.	Semi-finished	2¾ lbs.	**2.74**
A. F.	Finished	2¾ lbs.	**3.50**

ELGIN

Solid steel, full polished and nickel plated. Hardened jaws with milled teeth. Unequalled for angle and corner work Fully warranted.

No.	Length	Holds Pipe	Wt. per Doz.	Per Doz
Elgin	7 in.	⅛ to ¾ in.	7¾ lbs.	**$12.00**

One-twelfth dozen in a box

RE-THREADING ATTACHMENT

JAW

DIES

	Wt. per doz	Per doz
Rethreading Attachment	4½ lbs.	**$12.00**

Fits handle of Elgin wrench, making a perfect ratchet die stock. Complete with ¾ in. die

	Wt. per Doz.	Per Doz
Elgin Jaws, 2 lbs.		**$8.00**

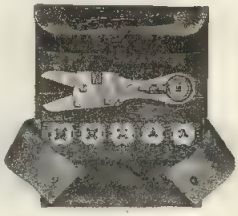
DIES

For re-threading attachment. U. S. Standard threads.

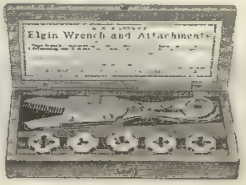
Size Bolt	Wt. per Doz.	Per Doz
¼ in.	12 oz	**$6.00**
5/16 in	12 ozs	**6.00**
⅜ in	12 ozs	**6.00**
7/16 in	12 ozs	**6.00**
½ in	12 ozs	**6.00**
½ in	12 ozs	**6.00**

ELGIN SETS

Set consists of **wrench, rethreading attachment,** ¼ inch **insert for taps,** and ¼, ⅛, ⅜, ⅞ and ½ inch **U. S. Std. Bolt Dies.**



No.		Wt. per Set	Per Set
Elgin Rolled Set	in strong leather roll,	1½ lbs.	**$3.75**



No.		Wt. per Set	Per Set
Elgin Boxed Set—In hardwood box,		1½ lbs	**$3.75**

G.W. HUNTLEY © CHICAGO

Clarionets

1863 1917

International or New Standard Pitch is Low Pitch.

American or Concert Pitch is High Pitch.

FRENCH MANUFACTURE.

High Pitch.

No.					Each
52	A	Grenadilla	6	brass keys, brass trimmed	$33.55
62	B♭	"	6	" " "	33.55
72	C	"	6	" " "	33.55
82	D	"	6	" " "	33.55
92	E♭	"	6	" " "	33.55
302	A	"	10	German silver keys, German silver trimmed	33.45
312	B♭	"	10	" " " "	33.45
322	C	"	10	" " " "	33.45
332	D	"	10	" " " "	33.45
342	E♭	"	10	" " " "	33.45

ALBERT SYSTEM.

In High and Low Pitch.

Low Pitch.	High Pitch.	No.								Each
1452	462	A	Grenadilla,	With Cork Joints	Albert System,	13	German silver keys,	2 rings,	German silver trimmed	$47.95
1462	462	B♭	"	"	"	13	"	"	"	47.95
1472	472	C	"	"	"	13	"	"	"	47.95
1482	482	D	"	"	"	13	"	"	"	47.95
1492	492	E♭	"	"	"	13	"	"	"	47.95
1702	702	A	"	"	"	15	"	(Ex. B♭ and C♯),	2 rings, German silver trimmed.	54.45
1712	712	B♭	"	"	"	15	"	"	"	54.45
1722	722	C	"	"	"	15	"	"	"	54.45
1732	732	D	"	"	"	15	"	"	"	54.45
1742	742	E♭	"	"	"	15	"	"	"	54.45

ALBERT SYSTEM.

High Pitch.

With Four Roller Keys. German Silver Finger Holes.

No.					Each
752	A	Grenadilla, Albert System,	15	German silver keys (Ex. B♭ and C♯), 2 rings	$73.00
762	B♭	" " "	15	" " " " " " " " "	73.00
772	C	" " "	15	" " " " " " " " "	73.00
782	E♭	" " "	15	" " " " " " " " "	73.00

ALBERT SYSTEM.

In High and Low Pitch.

With Four Rings and Four Heavy Gutta Percha Roller Keys.

Low Pitch.	High Pitch.	No.						Each
1682	1602	A	Grenadilla,	Albert System,	15	keys, double B♭ and C♯ trill keys		$73.00
1682	1612	B♭	"	"	15	" " " " " "		73.00
1672	1622	C	"	"	15	" " " " " "		73.00
1692	1642	E♭	"	"	15	" " " " " "		73.00

Piccolos

International or New Standard Pitch is Low Pitch.

American or Concert Pitch is High Pitch.

IN PASTEBOARD CASES. High Pitch.

No.					Each
262	Key of D,	Grenadilla,	with tuning slide,	4 keys, German silver trimmed	$ 6.10
292	Key of E♭	Grenadilla,	with tuning slide,	4 keys, German silver trimmed	6.10
302	Key of D,	Grenadilla,	with tuning slide,	4 keys, German silver trimmed, cork joints	6.35
312	Key of B♭	Grenadilla,	with tuning slide,	4 keys, German silver trimmed, cork joints	6.35
322	Key of D	Grenadilla,	with tuning slide,	6 keys, German silver trimmed	6.95
332	Key of D	Grenadilla	with tuning slide,	6 keys, German silver trimmed	6.95
342	Key of D	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints	7.60
352	Key of E♭	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints	7.60
162	Key of D	Grenadilla	German silver head and slide joint,	6 keys, German silver trimmed, cork joints	10.10
172	Key of E♭	Grenadilla	German silver head and slide joint,	6 keys, German silver trimmed, cork joints	10.10
362	Key of D	Grenadilla	*Ivory head, with tuning slide,	6 keys, German silver trimmed, cork joints	21.10
372	Key of E♭	Grenadilla	*Ivory head, with tuning slide,	6 keys, German silver trimmed, cork joints	21.10
1362	Key of D,	Grenadilla,	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	16.85
1372	Key of E♭	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	16.85

IN FINE CASES. High Pitch.

No.					Each
522	Key of D	Grenadilla	ivory head, 6 keys,	with slide, cork joints, German silver trimmed, Meyer pattern	$38.55
532	Key of E♭	Grenadilla,	ivory head, 6 keys,	with slide, cork joints, German silver trimmed, Meyer pattern	38.55
802	Key of D	Grenadilla,	6 keys,	German silver trimmed, cork joints, cylindrical bore, covered holes	37.25
822	Key of E♭	Grenadilla,	6 keys,	German silver trimmed, cork joints, cylindrical bore, covered holes	37.25
1522	Key of D,	Grenadilla	6 keys,	with tuning slide, cork joints, German silver trimmed, art ivory head	21.90
1532	Key of E♭	Grenadilla,	6 keys,	with tuning slide, cork joints, German silver trimmed, art ivory head	21.90

IN PASTEBOARD CASES. Low Pitch.

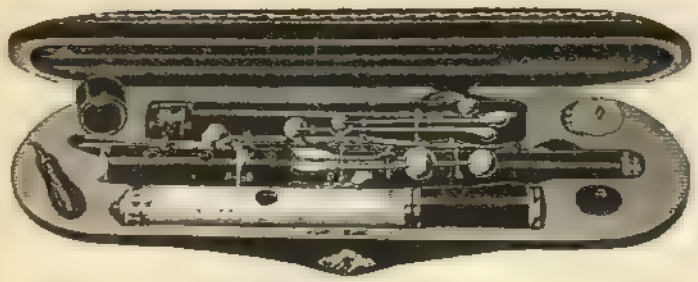
No.					Each
1342	Key of D,	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints	$ 7.60
1352	Key of E♭	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints	7.60
2362	Key of D,	Grenadilla	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	16.85
2372	Key of E♭	Grenadilla,	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	16.85
3362	Key of D,	Grenadilla	ivory head, with tuning slide,	6 keys, German silver trimmed, cork joints	18.55
3372	Key of E♭	Grenadilla,	ivory head, with tuning slide,	6 keys, German silver trimmed, cork joints	18.55

IN FINE CASES. Low Pitch.

No.					Each
2532	Key of D,	Grenadilla,	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	$21 50
2532	Key of E♭	Grenadilla,	with tuning slide,	6 keys, German silver trimmed, cork joints, art ivory head	21 50
3522	Key of D,	Grenadilla	ivory head,	6 keys, with tuning slide, cork joints, German silver trimmed; Meyer pattern	23.55
3532	Key of E♭	Grenadilla,	ivory head,	6 keys, with tuning slide, cork joints, German silver trimmed; Meyer pattern	23.55
1802	Key of D	Grenadilla,	6 keys,	German silver trimmed, cork joints, cylindrical bore, covered holes	37 25
1822	Key of E♭	Grenadilla,	6 keys,	German silver trimmed, cork joints, cylindrical bore, covered holes	37.25

*Art Ivory, similar in appearance to Elephant Ivory, not liable to crack.

Flutes



International or New Standard Pitch is Low Pitch, American or Concert Pitch is High Pitch.

EIGHT KEYS. HIGH PITCH. IN PASTEBOARD CASES.

No.		Each
2032	Key of D, Grenadilla, with tuning slide, cork joints, German silver trimmings	$22.00
2042	Key of D, Grenadilla, with tuning slide, cork joints, German silver caps, trimmings and embouchure	23.67
[illegible]	Key of D, Grenadilla, with tuning slide, cork joints German silver head joint	36.87
[illegible]	Key of D, Grenadilla, with celluloid head, German silver tip plate and cork joints	29.57
2082	Key of D, Grenadilla, with tuning slide, cork joints, German silver caps and trimmings, art ivory head	38.40
632	Key of D, Grenadilla, with tuning slide, cork joints, German silver embouchure and finger holes, rosewood case, [illegible] swab and grease box	47.83

EIGHT KEYS. LOW PITCH. IN PASTEBOARD CASES.

No.		Each
2022	Key of D, Grenadilla, with tuning slide, cork joints, German silver caps and trimmings	$22.00
3082	Key of D, Grenadilla, with tuning slide, cork joints, German silver caps and trimmings, art ivory head	38.40

Concert Flutes Meyer Pattern

HIGH PITCH. KEY OF D.

In Morocco Velvet-Lined Case, Joint Caps, Grease Box, Swab, Pads and Screw Driver.

No.		Each
2052	8 keys, Grenadilla, with tuning slide, cork joints	$33.35
2062	8 keys, Grenadilla, with tuning slide, cork joints, ivory head	71.20

ONE KEY. HIGH PITCH. IN PASTEBOARD CASE.

No.		Each
952	Key of B♭, Grenadilla, with tuning slide, German silver trimmed	$ 5.17
972	Key of D, Cocoa, German silver trimmed	8.10
982	Key of D, Cocoa, with tuning slide, German silver trimmed	8.73
1002	Key of D, Cocoa, German silver trimmed, American manufacture	9.97
1022	Key of D, Cocoa, with tuning slide, German silver trimmed, American manufacture	13.77

FOUR KEYS. HIGH PITCH. IN PASTEBOARD CASES.

No.		Each
992	Key of D, Cocoa, with tuning slide, German silver trimmed	$13.13

SIX KEYS. HIGH PITCH. IN PASTEBOARD CASES.

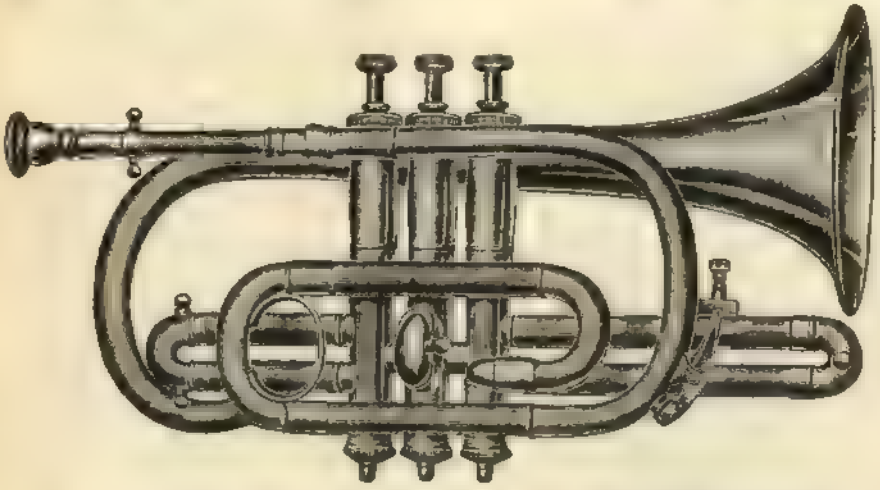
No.		Each
962	Key of B♭, Grenadilla, with tuning slide, German silver trimmed	$ 9.97
2002	Key of F, Grenadilla, with tuning slide, German silver trimmed	14.63
2012	Key of D, Grenadilla, with tuning slide, cork joints German silver trimmed	15.67
2092	10 keys, Grenadilla, with tuning slide, cork joints	$46.80
2102	10 keys, Grenadilla, with tuning slide, cork joints, ivory head	87.40
2112	11 keys, Grenadilla, with tuning slide, cork joints, ivory head	91.40
2122	13 keys, Grenadilla, with tuning slide, cork joints	57.34
2132	13 keys, Grenadilla, with tuning slide, cork joints, ivory head	95.23
12062	8 keys, Grenadilla, with tuning slide, cork joints, art ivory head	47.83
12102	10 keys, Grenadilla, with tuning slide, cork joints, art ivory head	82.17
12132	13 keys, Grenadilla, with tuning slide, cork joints, art ivory head	76.27

LOW PITCH. KEY OF D.

No.		Each
10002	8 keys, Grenadilla, with tuning slide, cork joints	$33.35
10022	8 keys, Grenadilla, with tuning slide, cork joints, ivory head	71.20
10092	10 keys, Grenadilla, with tuning slide, cork joints	46.80
10102	10 keys, Grenadilla, with tuning slide, cork joints, ivory head	87.40
10122	13 keys, Grenadilla, with tuning slide, cork joints	57.34
10132	13 keys, Grenadilla, with tuning slide, cork joints, ivory head	99.43
10012	8 keys, Grenadilla, with tuning slide, cork joints, art ivory head	47.87
10112	11 keys, Grenadilla, with tuning slide, cork joints, art ivory head	70.57
10142	13 keys, Grenadilla, with tuning slide, cork joints, art ivory head	76.27

Art Ivory, similar in appearance to Elephant Ivory, is not liable to crack or check

Our ivory heads are made of thoroughly seasoned material, finished and perfected in our own factory.



Cornets

LONG MODEL B♭ CORNETS—HIGH AND LOW PITCH.

With Water Key.

No.		Each
2023	Brass, with B♭ and A set-pieces	$34.15
2033	Brass, with B♭ and A set-pieces, nickel plated	37.50
2023½	Brass, with B♭ and A set-pieces, silver plated, satin finish	52.05
2033½	Brass, with Bb and A set-pieces, silver plated, burnished	61.95

With Double Water Key.

No.		Each
2603	Brass	$41.30
2613	Brass, nickel plated	69.90
2603½	Brass, silver plated, satin finish	59.20
2813½	Brass, silver plated, burnished	69.10

Long Italian Model Bb. Trumpets

Rotary Valve

No.		Each
1212	Brass, half German silver trimmed good quality high and low pitch	$67.40
1212½	Brass silver plated, satin finish	85.30
1222	Brass, full German silver trimmed, fine quality, with water key	88.90
1222½	Brass, silver plated, satin finish, with water key	106.75

B♭ CORNET WITH QUICK CHANGE TO A.

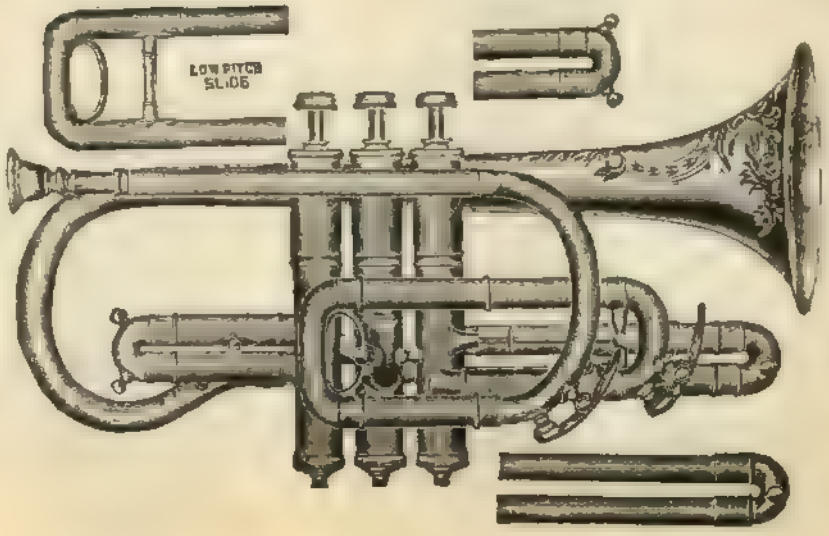
In Both High and Low Pitches.

No.		Each
4802	Brass, with one water key	$44.65
4812	Brass, nickel plated with one water key	48.00
4802½	Brass, silver plated, satin finish, with one water key	62.80
4812½	Brass, silver plated finely burnished with one water key	72.45
4852	Brass, with two water keys	48.50
4862	Brass, nickel plated with two water keys	51.85
4852½	Brass, silver plated satin finish with two water keys	66.35
4862½	Brass, silver plated burnished with two water keys	72.05

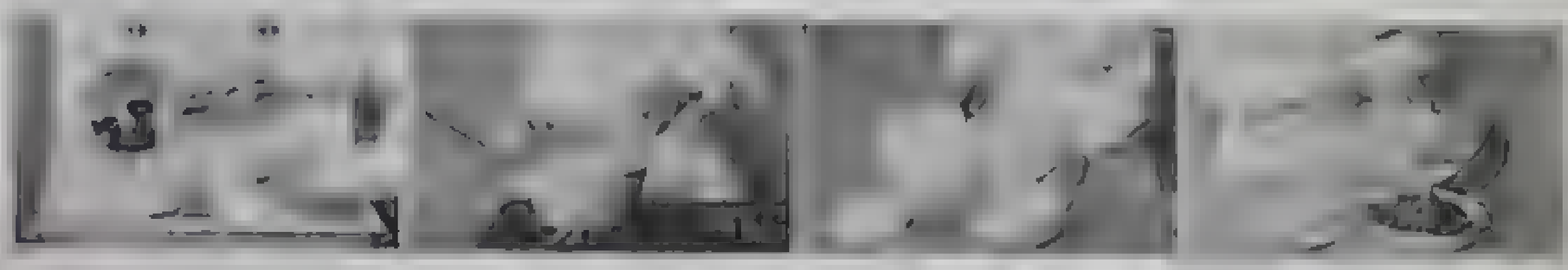
B♭ CORNET AMERICAN MODEL—TWO WATER KEYS.

Pearl Finger Buttons.

No.		Each
15752	Brass	$60.65
15762	Brass, nickel plated	64.00
15772	Brass, silver plated, satin finish	78.60
15782	Brass, silver plated burnished	86.40
15792	Brass, silver plated, burnished, gold bell and tips	106.35

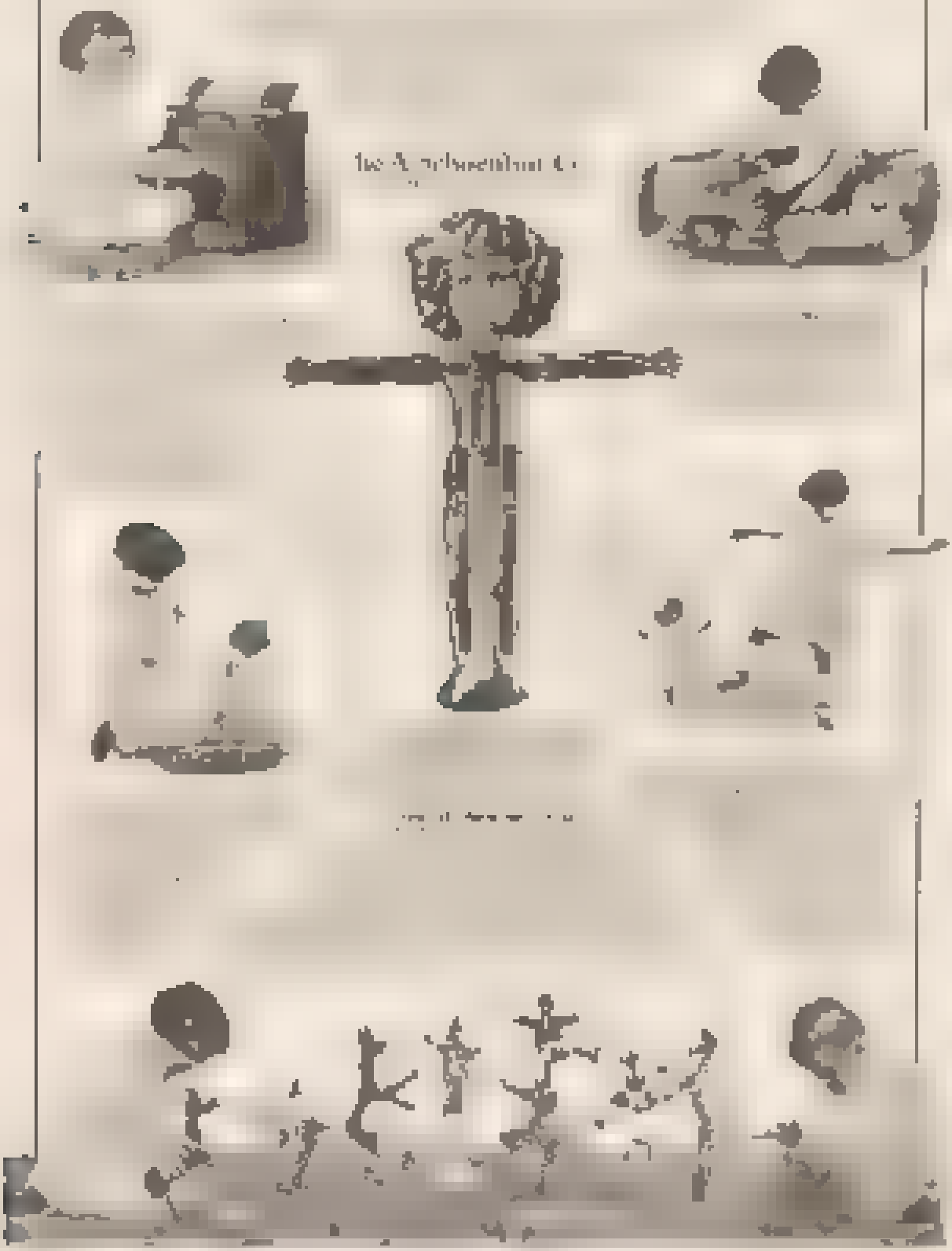


Wartime Movies



Now Comes Christmas and

Schoenhut Toys



Now Comes Christmas - and
Schoenhut Toys

Now Comes Christmas and

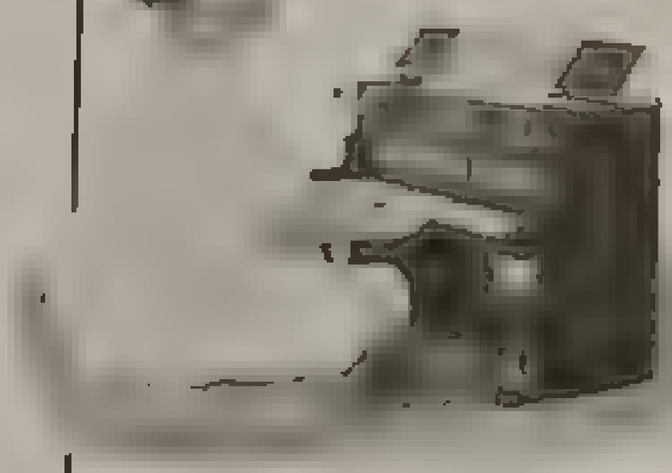
Schoenhut Toys

Now Comes Christmas – and
Schoenhut Toys

American invention and creative art have made possible these wonderful toys, which educate the child as well as amuse it, training the growing mind along natural lines rather than grotesque ones. Every toy store has them. Look for the name "Schoenhut" on every package.

Made in U. S. A. since 1872

The A. Schoenhut Co.
2109 Sepviva St. Philadelphia

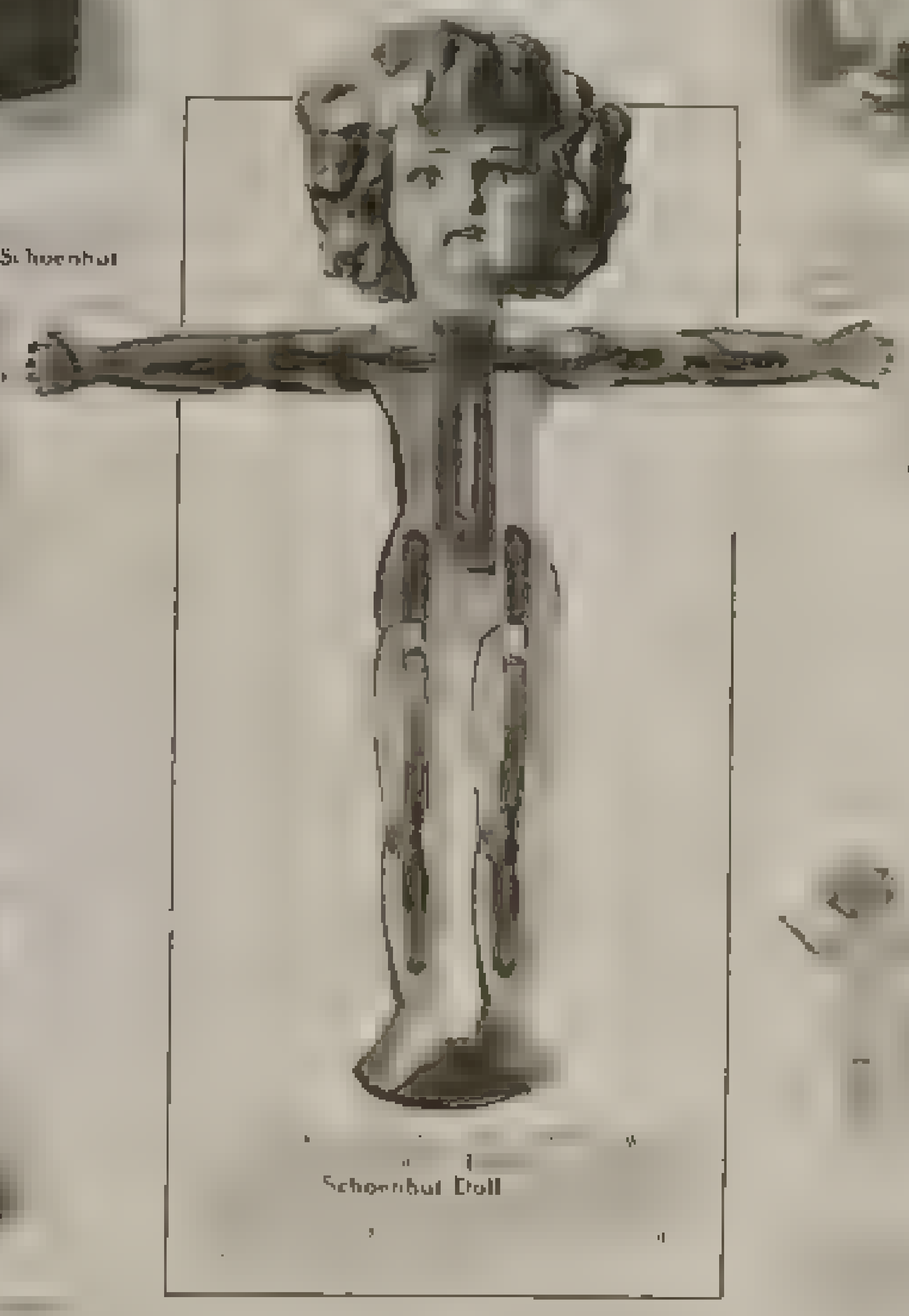


Toy Piano

Schoenhut

"Schoenhut"

Schoenhut Wood Toys



Schoenhut Doll

Greatest Show on Earth
Schoenhut's Humpty Dumpty Circus

Schoenhut Wood Perfection Art Dolls

Circus

Schoenhut Humpty Dumpty

Schoenhut Dolls

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The A Schoenhut Co.
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Schoenhut Toy Piano.

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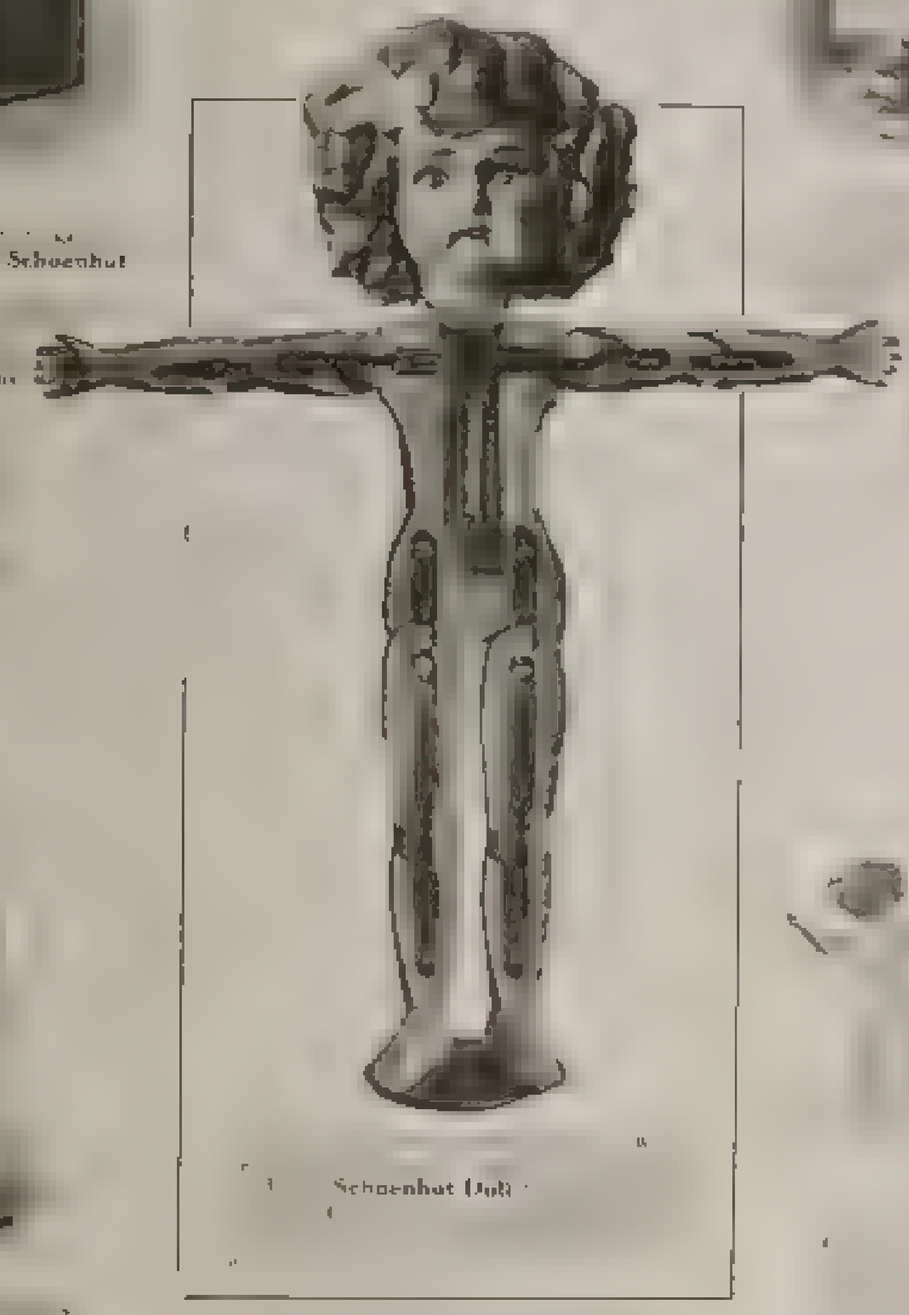

Schoenhut Doll

Schoenhut Art wood Perfection Art Dolls

Greatest Show on Earth
Schoenhut Humpty Dumpty Circus

Schoenhut Humpty Dumpty Circus

Schoenhut Doll

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Betty Bonnet's Sister's Son

By Sheila Young

NOTE – If the whole page is mounted on muslin or linen before the figures are cut out the different parts will last longer and the tabs will not tear so easily. Cut along the dotted lines in hats, and slip the doll's head into the slits thus made. By pasting an inch-wide strip of cardboard at the waistline, slightly bent to form an easel, the doll can be made to stand.

Betty Bonnet's Grandparents Now and Long Ago

By Sheila Young

NOTE—If the whole page is mounted on muslin or linen before the figures are cut out the different parts will last longer and the tabs will not tear so easily. Cut along the dotted lines, and slip the doll's head into the slits thus made. By pasting an inch-wide strip of cardboard at the waistline, slightly bent to form an easel, the doll can be made to stand.